

ANNUAL SUMMARY

BIRTHS, DEATHS, AND CAUSES OF DEATH

IN

LONDON,

AND OTHER GREAT TOWNS,

1884.

1884.

PUBLISHED BY THE AUTHORITY OF THE REGISTRAR GENERAL OF
BIRTHS, DEATHS, AND MARRIAGES IN ENGLAND.



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1885.

REGISTRATION LONDON.

AREA.—The Area of Registration London is 78,052 acres or 122 square miles, including 3625 acres of water ; this is equal to 31,585 hectares, or 316 square kilometers. The length of the streets and roads is more than 1600 miles. The Area of London being 122 square miles is equal to a square of about 11 miles to the side.

ELEVATION.—The population of London resides at a mean elevation of 39 feet (11·9 metres) above Trinity high-water mark ; the elevation varying from 11 feet (3·4 metres) below high-water mark in Plumstead Marshes, to 429 feet (131 metres) above high-water mark in Hampstead.

HOUSES.—At the Census in 1881 there were within this area 486,186 inhabited houses, containing an average of 7·8 persons to a house, exactly corresponding with the proportion in 1861 and in 1871.

ANNUAL RATEABLE VALUE.—The Annual Rateable Value of Property in the Metropolis, in April 1881, as assessed in accordance with the Valuation (Metropolis) Act, 1869 was £27,402,509.* (For Annual Rateable Value of Greater London, see Table 8.)

DENSITY (1884).—127 persons to a hectare ; 51·5 persons to an acre ; 32,946 to a square mile.

ANNUAL RATE OF INCREASE OF POPULATION PER CENT. . $\left\{ \begin{array}{ll} 1861-71. & 1\cdot50 \\ 1871-81. & 1\cdot61 \end{array} \right.$

1884.

POPULATION	$\left\{ \begin{array}{ll} \text{Males} & 1,893,037 \\ \text{Females} & 2,126,324 \end{array} \right.$	PERSONS. 4,019,361
(Estimated to the middle of the year.)		
BIRTHS	$\left\{ \begin{array}{ll} \text{Males} & 70,080 \\ \text{Females} & 67,415 \end{array} \right.$	PERSONS. 137,495
ANNUAL RATE OF BIRTHS PER 1000 OF THE POPULATION		33·7
DEATHS	$\left\{ \begin{array}{ll} \text{Males} & 42,866 \\ \text{Females} & 40,184 \end{array} \right.$	PERSONS. 83,050
ANNUAL RATE OF MORTALITY PER 1000	$\left\{ \begin{array}{ll} \text{Males} & 22\cdot3 \\ \text{Females} & 18\cdot6 \end{array} \right.$	PERSONS. 20·3
EXCESS OF REGISTERED BIRTHS OVER DEATHS		54,445
ESTIMATED INCREASE OF POPULATION		64,057

* This amount represents the Annual Rateable Value of Property within the District of the Metropolitan Board of Works, as defined by the Metropolis Local Management Act, 1855 (18 & 19 Viet. c. 120.) The District of the Metropolitan Board of Works is identical with that adopted for Poor Law and Registration purposes, except that the hamlet of Penge, in Croydon District, is situated within the District of the Metropolitan Board of Works, but is excluded from Registration London ; and the hamlet of Mottingham, in Lewisham District, is included with Registration London, but excluded from the District of the Metropolitan Board.

ANNUAL SUMMARY.

LONDON, AND OTHER GREAT TOWNS, 1884.

*General Register Office, Somerset House,
28th February, 1885.*

The Great Towns.

THE twenty-eight great towns of England and Wales that have a place in the Weekly Returns contained an estimated population of 8,762,354 persons in the middle of 1884. The deaths recorded among this population in the course of the year numbered 192,237, and were in the proportion of 21·6 per 1000 living. This was also the death-rate recorded in the preceding year 1883, but was lower than that in 1882, which was 22·3 (*see Table 2*).

The rates varied very greatly in the different towns, and ranged from 17·95 in Brighton to 27·27 in Preston. Owing, however, to the great differences between towns and rural districts, and between one town and another, in regard to the age and sex distribution of their respective populations, these recorded death-rates require correction before they can justly be used for purposes of comparison; and factors were given in the Annual Summary for 1883, by which such necessary correction can be made with sufficient approximation. Applying these factors we have the corrected rates, which are given in the 2nd column of the following Table. In the 3rd column the death-rate for all England and Wales (19·61) has been taken as 1000, and the corrected death-rate in each town has been reduced to a figure comparable with that standard.

In every one of the Great Towns the corrected mortality in the year was higher than that of the remainder of the country after exclusion of the twenty-eight towns themselves; but in three, namely, Brighton, Bristol, and Derby, the excess was very slight, and the mortality was below that of England and Wales in the aggregate. In two of these three towns, moreover, viz., Bristol and Derby, there had been a similarly low mortality, below that of the whole of England and Wales, in the previous year 1883. At the other end of the list come Liverpool, Manchester, and Preston, in

each of which the mortality was from 40 to 50 per cent. above that of all England and Wales. These three towns were also at the same unenviable end of the list in 1883.

RECORDED and CORRECTED DEATH-RATES per 1000 in 28 Great Towns in 1884.

TOWNS, in the order of their Corrected Death-rates.	Recorded Death-rate.	Corrected Death-rate.*	Comparative Mortality Figure.†
Cols.	1.	2.	3.
ENGLAND AND WALES -	19·61	—	1000
ENGLAND AND WALES } LESS THE 28 TOWNS - }	18·59	18·18	927
28 TOWNS -	21·60	23·02	1174
Brighton - - -	17·95	18·48	942
Bristol - - -	18·39	19·04	971
Derby - - -	18·38	19·12	975
Portsmouth - - -	19·36	19·94	1017
Norwich - - -	21·21	20·29	1035
Plymouth - - -	21·02	20·82	1062
Birkenhead - - -	19·59	20·95	1068
Huddersfield - - -	19·55	21·47	1095
London - - -	20·34	21·59	1101
Hull - - -	21·12	21·79	1111
Bradford - - -	20·13	22·23	1134
Birmingham - - -	21·37	22·79	1162
Leicester - - -	22·08	23·13	1180
Sunderland - - -	23·07	24·02	1225
Sheffield - - -	22·38	24·07	1227
Wolverhampton - - -	23·40	24·13	1230
Nottingham - - -	22·92	24·29	1239
Salford - - -	22·31	24·29	1239
Newcastle-on-Tyne - - -	23·11	24·46	1247
Halifax - - -	23·35	25·37	1294
Leeds - - -	24·16	25·82	1317
Blackburn - - -	24·06	26·22	1337
Bolton - - -	24·10	26·41	1347
Cardiff - - -	24·35	26·43	1348
Oldham - - -	24·48	27·17	1386
Liverpool - - -	25·23	27·68	1412
Manchester - - -	26·40	29·42	1500
Preston - - -	27·27	29·61	1510

* The Corrected Death-rate is the Recorded Death-rate multiplied by the Factor for Correction. These Factors were published in the Annual Summary for 1883, page v. The Factor for correcting the Recorded Death-rate in England and Wales, less the 28 Towns, is 0·9781.

† The Comparative Mortality Figures are the ratios borne by the Corrected Death-rates to the Recorded Death-rate in England and Wales, this latter being taken as 1000.

Particulars as to the registered mortality in the several Great Towns, and especially as to the mortality from the main zymotic diseases, are given in Tables 1 to 4. The highest death-rates from *small-pox* were in London and Sunderland; from *measles* in Blackburn, Bolton, Cardiff, Liverpool, Portsmouth, Wolverhampton, and Oldham; from *scarlet fever* in Manchester, Salford, Preston, Newcastle-on-Tyne, Cardiff, Leeds, and Sheffield; from *diphtheria* in Portsmouth and Cardiff; from *whooping-cough* in Liverpool and Bolton; from *fever* in Leeds, Portsmouth, Salford, Derby, and Blackburn; and from *diarrhœa* in Bolton, Salford, Blackburn, Leicester,

and Preston. In each of these cases the mortality from the disease in question was nearly 50 per cent., or more, above the rate for the twenty-eight towns in the aggregate; and the towns mentioned have been placed in the order of mortality, ending with the highest.

In fifty Town Districts (Table 5.) which, though not so large as the twenty-eight Great Towns, are yet of considerable size, and between them have an estimated population of close upon $2\frac{3}{4}$ millions, the recorded death-rate was 20·3, and therefore not much above the recorded rate for the whole of England and Wales. The rates, however, differed very greatly in these Town Districts taken separately; in Barrow-in-Furness the rate was as low as 12·5, and it was under 16·0 in Burton-on-Trent, in Darlington, and in Hastings; while in Ystradyfodwg it was 24·1, in Gateshead 24·6, in Ashton-under-Lyne 25·6, and in Wigan 26·1.

The infantile death-rate, or proportion of deaths of infants in the first year of life to registered births, was 147 per 1000 in All England and Wales; in the fifty considerable Town Districts it was 159, while in the twenty-eight Great Towns it was 168. In Stockport, however, it reached 203, in Preston 222, and in Leicester 226. (Tables 4 and 5.)

London.

The decline that had set in some years before in the rates of marriages, births, and deaths in London was continued in the year 1884. The marriage-rate and the death-rate were the lowest on record, and the birth-rate lower than any recorded since 1860.

MARRIAGES.

The marriages celebrated in London in 1884 numbered 35,367, giving a proportion of 17·6 persons married to 1000 inhabitants. This was the lowest marriage-rate as yet recorded in London, being lower even than the rate in the preceding year, when it was 17·8.

BIRTHS.

The births registered in London in the year (53 weeks) numbered 137,495, and corresponded to an annual rate of 33·7 per 1000 inhabitants. This was lower than the birth-rate recorded in any year since 1860, when the rate was 33·6. The lowness of the birth-rate was more than compensated by the still greater reduction in the death-rate; for the excess of registered births over registered deaths amounted to 54,435, which, as shown in Table 12, was a much greater excess than in any earlier year included in that Table. The natural growth of the population of London, that is to say, its increase independently of immigration and emigration, was on an average more than 1000 a week both in 1883 and in 1884.

DEATHS.

The deaths registered in the year (53 weeks) amounted to 83,050, and corresponded to a rate of 20·34 per 1000 for a year of ordinary length. This was the lowest death-rate on record in London; the next lowest, moreover, having been that of the immediately preceding year 1883, when the rate was 20·44. There had been no rate approaching these since 1850, when the rate was 21·00.

The death-rate was highest (23·8) in the Central and (23·0) in the East Districts, and was lowest (19·1) in the North and (19·2) in the West Districts; while in the South Districts it was 19·8. Comparing these rates with those of the last few years (Table 13) the most noticeable fact is the decline of mortality in the East Districts.

As in 1883, so in 1884, some small share in producing a low death-rate must be attributed to the low birth-rate. Had the birth-rate been equal to the annual average for the preceding decennium, 6002 more infants would have been born in the course of the year, and, with an infantile death-rate of 155 per 1000 births (Table 4), there would have been 930 additional infant deaths, which would have raised the general death-rate from 20·34 to 20·57 per 1000.

Had the deaths in London in 1884 equalled the average yearly number in the preceding decennium (1874-1883), corrected for increase of population, 6182* persons would have died in the year, who, as it was, were alive at its close.

The following Table, which is based on the figures given in Table 15, shows in a summary form the amount of life saved and the amount lost in the year, as compared with the mean annual mortality in previous decennium, under each of the more important headings in the list of causes.

DIMINUTION OR EXCESS OF DEATHS IN 1884, as compared with Annual Deaths in 1874-83,
corrected for growth of Population.

CAUSE OF DEATH.	Diminution in 1884.	Excess in 1884.
Small-pox - - - - -	—	286*
Measles - - - - -	—	72
Scarlet Fever - - - - -	1,203	—
Typhus - - - - -	109	—
Whooping-cough - - - - -	—	6
Diphtheria and Croup - - - - -	—	339
Simple and Ill-defined Fevers - - - - -	133	—
Enteric Fever - - - - -	45	—
Diarrhœal Diseases - - - - -	—	508
Erysipelas - - - - -	16	—
Alcoholism, &c. - - - - -	—	18
Cancer - - - - -	—	228
Phthisis and Tubercular Diseases - - - - -	741	—
Premature Birth - - - - -	—	306
Diseases of Nervous System - - - - -	691	—
Diseases of Circulatory System - - - - -	—	262
Diseases of Respiratory System - - - - -	3,804	—
Diseases of Urinary System - - - - -	—	86
Childbirth and Puerperal Fever - - - - -	90	—
Accident - - - - -	255	—
Murder, Manslaughter - - - - -	23	—
Suicide - - - - -	—	11
All other Causes - - - - -	1,194	—
	8,304	2,122
Balance of Diminution and Excess - - - - -	6,182	—

* Table 15 shows a diminution of 52 deaths from small-pox; but that Table includes only the deaths registered in London, whereas in the above table 338 additional deaths from small-pox, that occurred in the Metropolitan Asylum Hospitals outside Registration London, have been taken into account. This same explanation applies to the figure showing the total saving of life; the balance of saved lives according to Table 15 is 6,520, whereas with the 338 additional small-pox deaths the saving is reduced to 6,182.

If this Table be compared with the corresponding Table in the Annual Summary for 1883, it will be seen that there is a very general agreement between the two as regards the headings which show excess and the headings which show diminution. There are, however, three among them in which this is not the case, namely, whooping-cough, diarrhoeal affections, and small-pox.

Whooping-cough.—In 1883 whooping-cough showed a mortality far below the average; whereas in 1884 the mortality from it agreed almost exactly with the previous mean.

Diarrhoeal Affections.—In 1883, when the summer was free from any period of excessive heat, the mortality from diarrhoea was considerably below the average; whereas in 1884 the summer was exceptionally hot, the mean temperature being $3^{\circ}0$ Fahr^t. above the average for the 113 preceding summer quarters (*see* Table 28), and consequently the diarrhoeal mortality was also considerably in excess, and corresponded to an annual death-rate of 3.1 per 1000, which had only been exceeded during the previous decennium in 1876, 1878, and 1880, in each of which years the rate was 3.2; the mean for the whole decennium (1874-83) was 2.4.

Small-pox.—The mortality from small-pox was not only above the annual average in the preceding decennium, but was very considerably higher than in either 1882 or 1883; and in view of the persistency with which this disease appears to cling to London, it has been thought desirable to prepare the following Tables, which are continuations of Tables given in the Annual Summary for 1881. One Table shows the mortality in the various registration districts, after distribution of the deaths that occurred in hospitals; while the other shows the extent to which the several great groups of districts avail themselves of the hospital accommodation provided for public use.

The general results, as shown in these Tables, are much the same as were set forth in the Annual Summary for 1881. As then, so now, the Central and the Western groups are those with the lowest rates; the Southern and the Eastern those with the highest rates; while the Northern holds an intermediate position.

Again, both in the present and in the former table, if we examine the rates in the individual districts in those three groups (the Western, the Northern, and the Southern) which contain small-pox hospitals, we find that the rate is highest in those districts in or near which the hospitals are situated, viz., Fulham in the West Districts, Hackney and Islington in the North Districts, and Greenwich and Camberwell in the South Districts. There is, however, one district in the Southern group which forms an exception to the general rule, viz., Lambeth; for here, although there is a small-pox hospital in the district, the death-rate is not one of the highest in the group; and it is especially noteworthy, that Lambeth presented the same exceptional feature in the Table given in 1881.

These facts and figures lead to the same probable inferences as did those published in 1881; namely, that those districts are worst off which neither have hospitals of their own nor make use of the hospitals outside; while those districts are best off which have no hospitals within their own areas, but make full use of hospitals outside their borders; while intermediate is the condition of those districts which have hospitals within their limits and make use of them.

DEATHS and ANNUAL RATE of MORTALITY from SMALL-POX in the METROPOLITAN DISTRICTS during the years 1877-84, the fatal cases in Hospitals being distributed.

—	Enu- merated Popula- tion, 1881.	Deaths from Small-pox.								Total in Eight Years, 1877-84.	Mean Annual Rate per 1,000,000, 1877-84.*
		1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.		
LONDON - -	3,816,483	2,544	1,416	458	475	2,371	431	134	1251*	9,080	297
WEST DISTRICTS -	669,633	317	151	96	39	205	11	4	87	910	170
NORTH DISTRICTS -	905,947	529	370	43	127	490	50	29	423	2,061	284
CENTRAL DISTRICTS -	282,238	92	55	8	23	107	14	14	73	386	171
EAST DISTRICTS -	692,738	727	348	31	165	600	76	31	424	2,402	433
SOUTH DISTRICTS -	1,265,927	855	476	274	116	939	272	55	207	3,194	315
Kensington - -	270,369	136	41	31	11	76	1	2	32	330	153
Fulham - -	114,839	63	64	39	13	46	—	—	20	245	267
Chelsea - -	88,128	47	28	16	6	31	2	—	21	151	214
St. George, Hanover Square.	149,748	52	11	7	3	29	2	2	7	113	94
Westminster - -	46,549	19	7	3	6	23	6	—	7	71	191
Marylebone - -	154,910	78	25	6	9	40	1	6	25	190	153
Hampstead - -	45,452	25	13	2	—	6	2	—	25	73	201
Pancras - -	236,253	116	105	13	18	72	9	3	64	400	212
Islington - -	282,865	127	128	11	30	136	19	3	92	546	241
Hackney - -	186,462	183	99	11	70	236	19	17	217	852	571
St. Giles - -	45,382	11	10	—	2	11	2	—	20	56	154
Strand - -	33,582	9	10	1	—	20	3	1	7	51	190
Holborn - -	151,835	58	29	4	18	60	7	12	42	230	189
London City - -	51,439	14	6	3	3	16	2	1	4	49	119
Shoreditch - -	126,591	51	28	1	27	180	4	2	69	362	357
Bethnal Green - -	126,961	88	53	4	56	122	7	2	98	430	426
Whitechapel - -	71,363	55	25	9	16	52	10	5	19	191	335
St. George-in-the-East	47,157	51	27	1	14	41	8	5	45	192	509
Stepney - -	58,545	100	72	2	26	48	17	6	34	305	651
Mile End Old Town -	106,613	84	78	4	14	60	4	3	70	317	375
Poplar - -	156,510	298	65	10	12	97	26	8	89	605	483
St. Saviour, Southwark	195,164	212	97	36	22	133	46	5	45	596	332
St. Olave, Southwark -	134,632	113	40	16	17	116	47	5	31	385	357
Lambeth - -	253,699	218	99	19	13	108	22	13	30	522	257
Wandsworth - -	210,434	109	43	25	10	100	5	—	22	314	187
Camberwell - -	186,593	135	32	30	33	183	71	19	30	638	427
Greenwich - -	131,233	46	99	93	20	246	66	12	35	617	588
Lewisham - -	73,327	12	8	3	—	16	10	1	2	52	89
Woolwich - -	80,845	10	8	2	1	32	5	—	12	70	108
Extra - Metropolitan, &c.	—	24	16	6	5	30	8	1	37	127	—

* Including 338 deaths of London residents that occurred in the Metropolitan Asylum Hospitals, situated outside Registration London.

† These rates are calculated upon the population enumerated in 1881, taken to represent the population in the middle of the period 1877 to 1884.

PROPORTION OF SMALL-POX DEATHS in and out of HOSPITAL, 1877-84.

LONDON AND GROUPS OF DISTRICTS.	Of 1000 Small-pox Deaths, there occurred		Small-pox Death-rate per million.
	In Hospital.	In private Houses.	
London - - -	671	329	297
Central - - -	301	199	171
Western - - -	755	245	170
Southern - - -	670	330	315
Northern - - -	645	355	284
Eastern - - -	597	403	483

It is worthy of notice that a larger proportion of the small-pox deaths in 1884 occurred in hospitals in each one of the five groups of districts, than was the case in 1881; a fact which seems to indicate an increasing recognition of the practical advantages of those institutions.

In 452 of the 1251 fatal cases of small-pox, no trustworthy information was given as to previous vaccination or non-vaccination. Of the remaining 799 cases, only 382, or 48 per cent., were certified to have been vaccinated, while 417, or 52 per cent., were certified to have been unvaccinated.

Accidental deaths.—The deaths caused by accidents in the year numbered 2518, and were fewer by 255 than the annual average in the preceding decennium, after due correction for growth of population. Amongst these 2518 deaths were 265 that were caused by horses or vehicles in the streets. The following table shows the number of deaths caused by different kinds of vehicles; the most noticeable fact in it being the exceptionally large number of deaths caused by omnibuses and by cabs.

Year.	Description of Vehicle, &c.									TOTAL.
	Horse, &c.	Carriage.	Omnibus.	Tram-car.	Cab.	Cart.	Van, wagon.	Dray.	Others not described.	
1873	13	10	12	17	28	56	75	4	2	217
1874	28	11	17	14	33	36	63	4	5	211
1875	11	15	18	9	39	55	76	6	2	231
1876	13	4	17	12	24	56	78	6	7	217
1877	16	13	13	4	26	56	92	5	2	227
1878	17	12	14	10	34	63	73	11	3	237
1879	16	13	17	18	36	57	66	8	5	236
1880	12	11	20	17	39	43	69	7	2	220
1881	13	14	21	23	31	58	79	9	4	252
1882	12	15	19	23	37	60	95	5	5	271
1883	6	12	16	25	57	45	50	7	4	222
1884	12	11	33	18	57	51	70	4	9	265

Uncertified deaths.—In 1050 cases, being 1·26 per cent. of the deaths registered, the cause of death was not certified either by a registered medical practitioner or by a Coroner; in 1883 the proportion was 1·22 per cent. The Metropolitan Registrars are instructed to supply information as to the assigned reasons why causes of deaths are uncertified, and this information is embodied in the following table:—

Ages.	Total uncertified Deaths.	Medical Attendant refused Certificate.		Attended by			No Medical Attendance.
		Altogether.	Made informal Statement.	Un-registered Assistant.	Un-registered Practitioner.	Midwife.	
Under 1	585	5	51	86	80	147	216
1-5	143	5	16	6	43	—	73
5-60	179	1	17	5	34	1	121
60 and upwards	143	3	6	2	12	—	120
All Ages	1050	14	90	99	169	148	530

It appears that 585, or more than half the cases of uncertified deaths, were of infants in the first year of life; in 313 of these 585 cases either an unregistered medical practitioner or a midwife was in attendance. In the remaining 272, or 46 per cent., of these uncertified infantile deaths, there was practically no medical attendance; for, although in 56 cases a medical practitioner appears to have been consulted, yet as he either refused to certify, or only certified informally, it may be concluded that his attendance was at most nominal. It may be noted that 416, or 40 per cent. of the 1050 uncertified deaths at all ages were of persons who had been attended by some kind of unregistered practitioner or midwife; while in the remaining 634, or 60 per cent., of the total cases there had been no kind of medical attendance, or at any rate not such attendance as justified the attendant giving a certificate.

GREATER LONDON.—The population of Greater London (*see* Table 7), which is co-extensive with the Metropolitan and City Police Districts, was estimated at 5,093,995 persons in the middle of 1884. The death-rate in this population was 19·7 per 1000 in 1884, against 20·6 and 19·7 in the two preceding years. In Inner or Registration London the rate was, as we have seen, 20·3, whereas in the Outer Ring of suburban districts, having a population of rather more than a million of persons, it did not exceed 17·5. The death-rate from the principal zymotic diseases was 3·20 per 1000 in Greater London, against 2·58 in 1883. In Inner London and the Outer Ring the zymotic rates in 1884 were 3·34 and 2·70 respectively. The rate of infant mortality, measured by the proportion of deaths under one year to registered births, was 152 per 1000 in Greater London; in Inner London it was 155, and higher than in any year since 1880, whereas it did not exceed 138 in the Outer Ring of suburban districts.

HEALTH OF FOREIGN CITIES.—The recorded rate of mortality in thirty-two Foreign cities (*see* Table 6) averaged 27·5 per 1000 of their estimated population in 1884. In the three principal Indian cities the rate averaged 34·5, and was equal to 29·1 in Bombay, 29·2 in Calcutta, and 50·7 in Madras. Small-pox caused 4200 deaths in Madras, 482 in Calcutta, and 133 in Bombay; the deaths attributed to diarrhoeal diseases included 2239 from cholera in Calcutta, 503 in Bombay, and 1180 in Madras. In twenty-four of the largest European cities, having an estimated population of about ten millions of persons, the mean rate of mortality was 27·7 per 1000, which exceeded by 6·1 the mean rate in the twenty-eight great English towns dealt with in this return. The lowest rates in these European cities were 19·5 in Christiania, 23·8 in Brussels, 24·0 in Copenhagen, and 24·6 in Stockholm; the rates in the other towns ranged upwards to 31·9 in St. Petersburg, 32·5 in Madrid, 33·1 in Prague, and 34·5 in Trieste. The rate of mortality in Paris, which had been equal to 28·6, 26·3, and 25·5 per 1000 respectively in the three preceding years, was 25·6 in 1884, and exceeded the rate in London by no less than 5·3. The deaths in Paris last year included 5916 from diarrhoeal diseases (including 972 from cholera), 2097 from diphtheria and croup, and 1618 from typhoid fever; the fatal cases of typhoid fever showed a further considerable decline from the high numbers returned in recent years. In Berlin, the third European city as regards population, the rate of mortality was 26·4, but was 2·6 below the still higher rate in 1883; the deaths last year included 5477 from diarrhoeal diseases, and 2482 from diphtheria. Small-pox caused 1000 deaths in Prague, 393 in Trieste, 329 in Brussels, 297 in Turin, 216 in Lisbon, 128 in Madrid, and 122 in Rome. Diphtheria showed exceptional mortality in most of

the German and Austrian cities, especially in Dresden, Hamburg, and Trieste. In four of the largest American cities the mean recorded death-rate was 23·2; in the several cities it was 20·4 in Baltimore, 21·6 in Philadelphia, 21·8 in Brooklyn, and 26·0 in New York. Each of these rates showed a decline from those in 1883. Scarlet fever and diphtheria, as in 1883, showed excessive mortality in each of these American cities, as also did diarrhoeal diseases in New York and Brooklyn.

TABLE 2.—28 Towns.—Birth-rate, Death-rate, and Analysis of the Mortality, in the 53 Weeks ending 3rd January 1885.

CITIES AND BOROUGHES.		ANNUAL RATES PER 1000 PERSONS LIVING.										PERCENTAGE To Total Deaths.		CITIES AND BOROUGHES.												
		Total Deaths.					Deaths from					Deaths under 1 Year to 1000 Births.	ANNUAL RATE OF MORTALITY per 1000 living.			Deaths in Public Institutions.	Unsettled Cases of Death.									
		52 or 53 Weeks ending			31st Dec. 1882.		30th Dec. 1882.		29th Dec. 1883.		3rd Jan. 1885.		Diseases 7-12 of 1884.					Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping cough.	Fever.	Diarrhoea.	Violence.	
		31st Dec. 1881.	30th Dec. 1882.	29th Dec. 1883.	3rd Jan. 1885.	3rd Jan. 1885.	7-12 of 1884.	6.	7.	8.	9.															10.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	Cols.					
28 TOWNS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 28 TOWNS.					
LONDON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LONDON.					
BRIGHTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRIGHTON.					
PORTSMOUTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PORTSMOUTH.					
NORWICH.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NORWICH.					
PLYMOUTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PLYMOUTH.					
BRISTOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRISTOL.					
WOLVERHAMPTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WOLVERHAMPTON.					
BIRMINGHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BIRMINGHAM.					
LEICESTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LEICESTER.					
NOTTINGHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NOTTINGHAM.					
DERBY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DERBY.					
BIRKENHEAD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BIRKENHEAD.					
LIVERPOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LIVERPOOL.					
BOLTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BOLTON.					
MANCHESTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANCHESTER.					
SALFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALFORD.					
OLDHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	OLDHAM.					
BLACKBURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BLACKBURN.					
PRESTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PRESTON.					
HUDDERSFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	HUDDERSFIELD.					
HALIFAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	HALIFAX.					
BRADFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRADFORD.					
LEEDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LEEDS.					
SHEFFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SHEFFIELD.					
HULL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	HULL.					
SUNDERLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SUNDERLAND.					
NEWCASTLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NEWCASTLE.					
CARDIFF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CARDIFF.					

* The Registrar-General has no means for determining the mortality statistics relating to 1881 for the eight towns added to this list at the commencement of 1882.

TABLE 3.—28 Towns.—Mean Temperature, and Annual Rate of Mortality per 1000 Persons living, in each Week of 1884.

Number of Week.	WEEKS ENDING	MEAN TEM- PERATURE AT GREEN- WICH.		ANNUAL RATE OF MORTALITY PER 1000 IN -																														
		Fahrenheit.	Centigrade.	TOWNS.																														
				LONDON.	BRIGHTON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAM- PTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALEFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.			
YEAR (of 53 Weeks ending 3 Jan. 1886.)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°			
1	Jan.	5	41.3	5.17	22.2	21.6	23.6	17.3	12.1	21.4	19.1	21.3	21.9	20.0	19.1	22.0	24.1	23.9	20.1	23.1	29.1	27.0	19.1	25.5	29.9	21.2	22.5	17.7	23.5	23.8	19.6	22.4	19.3	31.3
2	"	12	44.3	6.84	21.0	19.4	22.2	13.7	28.9	17.3	17.2	17.3	20.2	13.8	21.1	17.3	21.7	23.7	24.9	28.4	22.5	27.6	20.3	18.4	18.8	22.5	18.4	18.8	22.5	17.2	23.7	25.5	19.6	20.8
3	"	19	42.7	5.96	20.7	20.5	21.7	15.7	20.2	20.0	18.9	17.3	20.3	22.8	18.8	19.7	24.7	20.7	18.7	27.6	24.1	23.0	15.6	23.6	22.5	16.4	17.2	19.8	25.0	17.3	23.3	19.9	25.7	
4	"	26	44.9	7.17	20.3	19.9	23.1	16.9	15.0	20.7	17.7	17.3	19.6	16.9	19.3	17.3	18.9	22.0	18.7	26.8	24.1	23.0	19.1	18.4	17.3	21.2	19.8	15.9	25.5	24.1	19.9	24.1	19.5	
5	Feb.	2	43.7	6.50	20.5	20.7	24.5	21.6	16.7	19.4	18.2	23.3	20.9	15.7	20.6	13.1	16.1	19.2	21.5	23.9	19.6	28.1	19.4	17.3	17.0	17.7	18.4	24.9	20.3	17.3	25.8	24.1	13.4	
6	"	9	42.2	5.67	20.6	19.5	20.8	18.8	23.7	22.8	17.9	15.3	19.6	24.0	20.3	17.9	24.1	23.3	16.3	27.9	22.2	25.5	19.4	24.1	17.6	19.1	20.4	21.4	22.1	19.3	19.5	23.8	24.0	
7	"	16	42.7	5.96	20.1	19.8	18.9	11.8	17.9	20.0	19.1	14.0	17.8	16.5	19.6	19.1	21.2	24.9	22.0	22.8	21.4	17.4	17.9	24.6	21.8	16.4	19.4	17.7	21.7	20.4	25.8	23.4	15.1	
8	"	23	43.4	6.33	21.1	20.2	16.6	14.1	23.1	19.4	17.2	16.0	18.6	16.9	26.9	19.7	20.7	23.9	26.3	19.7	21.2	24.7	20.8	21.5	21.8	26.6	18.2	26.8	19.8	15.3	19.9	23.9	20.7	
9	March	1	38.2	3.44	20.3	19.3	12.5	20.4	12.1	20.0	22.3	26.0	21.4	16.9	23.1	13.7	15.5	23.3	19.6	23.9	20.6	25.9	21.7	24.6	17.0	20.5	15.9	20.1	21.9	17.9	23.7	22.8	21.8	
10	"	8	41.2	5.11	22.5	21.3	17.1	20.4	21.9	29.7	17.7	18.6	19.6	22.0	26.2	16.1	13.8	25.6	23.7	28.7	29.3	25.4	31.5	26.9	35.1	24.3	26.6	20.2	21.7	24.5	20.7	28.4	20.7	19.0
11	"	15	46.9	8.28	22.6	21.6	17.1	20.4	19.0	15.2	23.7	24.0	21.1	21.6	21.3	29.9	23.8	25.8	30.5	27.3	25.9	29.7	25.2	21.2	25.2	19.2	23.8	19.4	23.6	23.7	24.1	16.2	21.2	
12	"	22	46.6	9.78	22.1	20.6	20.8	26.7	20.8	15.2	19.9	24.0	21.9	19.6	23.9	22.0	18.9	27.0	20.1	27.9	20.4	30.6	23.1	31.5	21.8	25.9	19.2	28.2	21.0	17.3	19.9	23.8	21.2	
13	"	29	41.1	5.06	20.8	20.4	13.9	22.7	23.7	18.7	14.0	20.0	20.8	18.9	20.3	12.5	17.8	22.2	19.6	27.1	21.4	27.6	25.0	27.8	17.6	30.7	15.9	21.5	19.8	21.9	19.1	24.1	21.8	

14	April	5	51.2	10.37	22.7	31.9	14.3	23.5	19.0	38.3	17.7	26.6	23.3	16.5	26.9	22.0	17.8	33.6	33.0	30.4	21.2	36.2	18.9	25.2	14.6	23.2	18.9	28.1	22.4	18.1	92.0	24.5	31.3		
15	"	12	46.8	8.53	20.4	19.1	24.0	20.0	21.9	19.4	15.0	31.3	20.2	14.9	21.9	20.3	21.2	22.0	21.1	25.0	22.5	23.4	18.9	22.2	15.8	20.1	18.7	28.4	16.1	13.3	92.9	22.4	30.2		
16	"	19	41.7	6.39	22.5	21.6	14.8	25.5	16.5	20.0	21.1	28.0	20.2	16.1	23.5	13.1	20.7	23.5	23.7	21.2	21.8	21.2	23.7	20.3	15.8	20.1	18.7	28.4	16.1	13.3	92.9	22.4	30.2		
17	"	26	40.6	4.78	22.5	21.6	18.9	22.0	16.5	22.1	16.5	25.3	24.3	16.1	23.5	13.1	20.7	23.5	23.7	21.2	21.8	21.2	23.7	20.3	15.8	20.1	18.7	28.4	16.1	13.3	92.9	22.4	30.2		
18	May	3	47.1	8.39	22.7	31.9	14.3	23.5	19.0	38.3	17.7	26.6	23.3	16.5	26.9	22.0	17.8	33.6	33.0	30.4	21.2	36.2	18.9	25.2	14.6	23.2	18.9	28.1	22.4	18.1	92.0	24.5	31.3		
19	"	10	51.3	10.73	21.8	30.6	14.3	24.7	17.9	38.3	18.2	29.3	21.4	23.6	25.9	14.3	23.5	23.5	23.7	21.2	21.8	21.2	23.7	20.3	15.8	20.1	18.7	28.4	16.1	13.3	92.9	22.4	30.2		
20	"	17	53.9	15.80	21.1	19.9	16.9	25.1	16.2	27.0	18.6	32.8	18.6	22.8	18.9	21.3	19.7	18.9	21.3	21.2	21.8	21.2	23.7	20.3	15.8	20.1	18.7	28.4	16.1	13.3	92.9	22.4	30.2		
21	"	24	51.3	13.89	21.8	30.6	14.3	24.7	17.9	38.3	18.2	29.3	21.4	23.6	25.9	14.3	23.5	23.5	23.7	21.2	21.8	21.2	23.7	20.3	15.8	20.1	18.7	28.4	16.1	13.3	92.9	22.4	30.2		
22	"	31	52.3	11.28	20.6	19.2	12.5	18.4	21.9	25.6	15.3	29.3	20.6	23.6	17.3	11.3	17.2	22.4	20.6	23.0	20.6	21.2	23.4	18.9	25.2	14.6	23.2	18.9	28.1	22.4	18.1	92.0	24.5	31.3	
23	June	7	57.8	11.56	19.6	19.8	14.3	21.2	15.6	30.7	16.5	28.6	19.4	17.1	17.3	16.7	16.6	22.8	17.7	23.9	21.3	16.4	23.9	19.7	23.1	19.4	23.6	18.9	25.5	18.1	20.3	14.5	16.2		
24	"	14	57.6	14.23	19.8	18.8	13.4	18.8	17.9	22.1	14.3	28.0	18.8	17.7	17.0	16.7	16.6	22.8	17.7	23.9	21.3	16.4	23.9	19.7	23.1	19.4	23.6	18.9	25.5	18.1	20.3	14.5	16.2		
25	"	21	56.8	13.78	18.7	17.8	12.5	17.6	14.4	18.0	14.0	25.3	17.2	15.7	15.8	11.3	18.9	26.6	16.3	23.4	19.0	21.7	20.8	18.4	17.6	23.9	19.7	20.1	17.9	15.0	20.3	18.6	15.0		
26	"	28	63.3	17.39	19.2	19.1	11.5	18.4	11.5	18.0	14.0	13.3	19.2	16.5	20.1	19.1	17.2	26.1	23.0	22.1	14.8	21.7	23.6	19.9	18.8	22.5	16.2	20.1	16.7	15.3	23.3	19.7	20.7		
27	July	5	66.6	19.23	19.5	19.6	13.4	18.0	15.6	25.6	14.3	18.0	15.7	18.9	22.4	12.5	18.9	20.8	15.8	22.4	19.6	23.8	17.9	23.1	21.8	23.5	19.9	19.9	19.4	17.0	23.7	21.7	21.8		
28	"	12	65.8	18.61	22.2	24.0	13.9	14.1	18.3	11.1	13.3	20.0	18.0	20.4	25.2	13.5	24.7	24.9	22.5	23.3	21.3	20.9	18.4	18.2	23.1	21.8	25.9	21.4	23.0	21.7	19.0	18.2	23.4	18.4	
29	"	19	63.7	17.32	24.0	26.1	17.6	15.7	17.3	17.3	14.0	18.6	20.7	34.6	29.2	21.4	16.6	20.8	27.8	13.2	21.9	17.2	26.7	16.4	16.3	17.1	17.2	26.7	26.7	26.7	26.7	26.7	26.7	26.7	
30	"	26	59.2	15.11	24.9	25.9	11.1	13.3	24.2	22.1	16.5	24.6	20.7	33.8	26.9	21.4	13.8	31.9	29.7	27.8	21.3	21.8	23.1	24.6	15.2	21.1	16.2	27.9	27.3	21.3	24.1	24.5	29.6		
31	August	2	64.2	17.89	23.3	22.9	17.1	17.6	31.2	15.2	14.5	23.3	20.7	23.7	24.4	22.6	18.9	25.9	28.2	27.5	23.8	20.4	23.6	34.6	12.7	19.1	21.7	24.4	25.0	18.4	22.4	24.5	27.4		
32	"	9	66.6	19.23	21.8	21.1	15.7	20.8	17.9	22.1	14.8	22.0	22.5	27.5	30.2	20.8	24.1	25.9	30.2	22.1	25.7	26.4	21.7	29.9	21.7	27.3	16.7	27.3	23.1	21.9	20.7	17.8	21.0	26.8	
33	"	16	68.9	20.50	24.1	21.2	21.7	30.6	30.0	24.9	17.4	43.3	27.6	38.3	30.5	18.5	20.1	26.7	31.1	25.6	25.6	30.6	28.3	30.4	18.8	28.6	25.7	29.2	27.1	23.9	24.6	22.4	24.6		
34	"	23	65.7	18.72	25.6	20.5	25.9	30.6	35.3	31.4	17.4	27.3	33.0	37.3	32.5	17.9	28.7	30.5	35.9	31.5	28.6	25.9	31.2	39.3	21.2	23.9	21.9	32.8	34.2	33.4	27.1	26.9	36.9		
35	"	30	59.1	15.06	25.3	20.0	23.6	23.5	31.7	25.3	19.9	33.3	32.3	29.5	29.0	19.7	19.5	32.6	31.6	34.1	28.8	30.6	35.4	37.8	21.2	37.5	26.6	29.8	28.0	33.7	28.4	32.8	29.6		
36	Sept.	6	57.6	14.23	24.1	19.9	21.7	22.4	27.1	23.5	19.9	32.6	28.7	30.6	30.8	13.1	16.6	31.6	38.8	30.2	25.1	22.7	26.4	21.7	29.9	21.7	27.3	16.7	27.3	23.1	21.9	20.7	17.8	21.0	26.8
37	"	13	60.5	15.84	21.4	17.8	9.2	17.3	26.5	15.2	19.6	32.0	20.7	31.0	21.3	15.5	18.1	24.8	28.7	27.5	24.5	23.4	35.4	30.9	20.0	28.0	19.9	26.8	27.4	29.1	25.8	26.6	33.4		
38	"	20	64.8	18.23	21.1	17.1	16.6	14.9	21.3	21.4	23.0	26.0	25.4	39.9	22.1	18.5	17.2	26.8	23.9	23.4	28.8	26.4	28.3	28.3	21.8	25.2	21.9	21.8	27.6	25.9	25.8	22.8	25.7		
39	"	27	56.3	13.50	19.1	16.1	14.8	17.6	14.4	18.0	16.2	22.0	18.2	21.6	18.3	19.1	20.1	25.1	20.1	25.1	22.8	17.9	26.9	28.8	23.8	21.8	22.7	24.2	21.9	24.8	18.2	21.7	24.0		
40	October	4	53.7	12.06	20.1	17.2	16.6	14.1	19.6	17.3	20.6	28.0	23.2	24.4	20.8	17.3	21.8	22.1	20.6	25.1	20.4	28.1	23.1	29.4	18.2	31.4	20.4	22.8	23.8	22.7	30.1	29.3	18.4		
41	"	11	47.9	8.83	19.8	17.5	21.2	16.5	18.5	18.0	20.3	22.0	21.2	21.6	23.9	22.6	14.9	24.8	28.7	27.5	24.5	23.4	26.2	28.1	18.2	10.9	16.2	26.0	18.6	23.0	30.9	22.8	25.1		
42	"	18	50.3	10.17	21.1	19.7	16.6	14.9	18.5	24.2	18.6	22.0	17.0	21.9	23.9	22.6	14.9	24.8	28.7	27.5	24.5	23.4	26.2	28.1	18.2	10.9	16.2	26.0	18.6	23.0	30.9	22.8	25.1		
43	"	25	47.5	8.61	21.0	19.7	18.9	16.1	21.9	18.7	19.9	24.0	20.9	20.4	22.4	22.6	14.9	24.8	28.7	27.5	24.5	23.4	26.2	28.1	18.2	10.9	16.2	26.0	18.6	23.0	30.9	22.8	25.1		
44	Nov.	1	48.2	9.00	20.6	19.5	17.1	18.0	15.0	24.2	21.8	19.3	21.1	25.5	16.5	18.5	17.2	23.0	26.3	26.1	21.4	19.6	26.9	28.8	20.0	19.8	20.4	24.9	20.3	21.9	16.5	26.8	27.9		
45	"	8	49.4	9.06	21.3	19.7	17.1	18.0	21.9	30.0	18.6	20.6	18.3	20.8	25.7	24.4	16.6	26.0	25.0	24.4	25.4	21.7	19.8	31.5	18.8	23.9	21.2	25.2	22.4	23.8	20.8	25.9	27.4		
46	"	15	45.5	7.22	20.9	19.6	14.8	18.4	18.5	22.1	18.6	30.0	20.1	20.9	17.9	21.1	27.8	26.7	23.2	21.7	20.3	27.8	28.1	20.0	28.0	19.2	20.3	26.8	14.0	20.0	23.9	23.8	24.6		
47	"	22	58.8	7.78	20.9	19.7	19.4	19.6	22.5	20.7	17.0	26.0	19.9	19.6	25.2	22.0	20.1	24.6	32.5	24.7	21.7	24.7	19.8	26.8	20.0	19.1	22.4	19.8	21.4	23.9	25.8	17.6	20.7		
48	"	29	36.4	2.14	25.8	22.3	19.4	20.8	27.7	17.3	23.3	25.3	24.3	23.6	30.2	18.5	21.2	27.4	31.6	28.7	26.2	27.6	22.7	25.7	20.7	38.6	25.4	23.6	19.1	25.1	25.4	24.5	30.7		
49	Dec.	6	42.4	5.78	22.6	24.2	22.9	24.5	18.4	24.8	24.2	24.8	21.3	24.8	24.4	26.7	23.8	25.0	30.2	27.8	25.1	38.7	30.2	32.5	15.8	22.7	27.6	21.7	23.1	24.2	30.9	23.1	29.6		
50	"	13	46.5	8.06	22.6	24.2	22.9	24.5	18.4	24.8	24.2	24.8	21.3	24.8	24.4	26.7	23.8	25.0	30.2	27.8	25.1	38.7	30.2	32.5	15.8	22.7	27.6	21.7	23.1	24.2	30.9	23.1	29.6		
51	"	20	42.1	5.11	21.6	20.7	18.5	20.0	27.1	23.5	18.9	22.0	19.3	19.4	25.5	18.1	20.9	24.2	26.9	34.1	10.4	24.6	21.2	20.7	19.4	23.2	20.9	22.0	21.4	29.7	20.8	23.9	32.4		
52	"	27	36.5	2.50	20.2	18.6	16.2	16.9	24.8	18.3	18.9	22.0	20.8	22.2	18.3	18.5	13.2	25.0	19.6	26.5	15.9	16.6	19.4	28.3	19.4	25.9	19.4	20.2	18.2	26.8	23.4	20.7	25.7		
53	January	3	33.2	0.67	25.0	24.9	24.9	21.2	32.9	20.0	21.8	26.6	22.8	24.8	25.2	21.4	26.4	28.1	22.0	26.4	28.8	25.5	26.4	32.5	20.0	21.8	22.9	23.9	22.4	22.2	22.0	29.3	34.6		

TABLE 4.—28 Towns.—Death-rate from All Causes, and from the Principal Zymotic Diseases, and Infant Mortality in the Ten Years 1874-83, and in 1884.

TOWNS.	ALL CAUSES.		SMALL-POX.		MEASLES.		SCARLET FEVER.		DIPHTHERIA.		WHOOPING-COUGH.		FEVER.		DIARRHŒA.		DEATHS UNDER ONE YEAR TO 1000 BIRTHS.	
	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.	Ten years 1874-83.	1884.
28 TOWNS.	23·2	21·6	0·16	0·14	0·52	0·60	0·80	0·45	0·13	0·17	0·73	0·64	0·40	0·29	1·03	1·21	163	168
LONDON.	22·0	20·3	0·24	0·22	0·54	0·56	0·65	0·35	0·15	0·24	0·78	0·78	0·33	0·26	0·81	0·93	154	155
BRIGHTON.	20·1	18·0	0·02	0·01	0·39	0·09	0·38	0·25	0·07	0·13	0·57	0·31	0·23	0·15	0·80	0·78	151	147
PORTSMOUTH.	19·9	19·4	0·01	0·00	0·44	1·21	0·56	0·07	0·33	0·31	0·45	0·07	0·70	0·46	0·86	0·86	137	128
NORWICH.	21·2	21·2	0·01	0·00	0·28	0·63	0·56	0·04	0·07	0·14	0·51	0·25	0·32	0·34	1·13	1·70	177	187
PLYMOUTH.	22·4	21·0	0·01	0·00	1·04	0·65	0·21	0·03	0·19	0·12	0·71	0·22	0·39	0·35	0·79	0·62	160	150
BRISTOL.	21·8	18·4	0·06	0·00	0·40	0·23	0·72	0·13	0·05	0·09	0·53	0·44	0·36	0·22	0·69	0·68	148	143
WOLVERHAMPTON.	23·0	23·4	0·02	0·06	0·32	1·21	0·75	0·45	0·07	0·06	0·59	0·23	0·30	0·15	1·15	1·66	159	189
BIRMINGHAM.	23·1	21·4	0·26	0·15	0·35	0·78	0·95	0·30	0·16	0·10	0·82	0·68	0·32	0·19	1·44	1·68	167	174
LEICESTER.	22·1	22·1	0·00	0·00	0·43	0·40	0·74	0·46	0·08	0·10	0·51	0·51	0·32	0·13	2·04	2·43	204	226
NOTTINGHAM.	22·6	22·9	0·03	0·00	0·46	0·70	0·89	0·18	0·05	0·19	0·40	0·62	0·41	0·33	1·11	1·79	179	196
DERBY.	18·4	18·4	0·02	0·02	0·31	0·40	0·48	0·15	0·03	0·01	0·86	0·24	0·30	0·53	0·42	0·91	141	145
BIRKENHEAD.*	20·0	19·6	0·00	0·12	0·40	0·48	0·23	0·30	0·03	0·08	0·36	0·11	0·44	0·26	0·59	0·86	146	140
LIVERPOOL.	27·6	25·2	0·16	0·18	0·82	1·07	1·17	0·35	0·10	0·14	0·87	0·95	0·74	0·35	1·32	1·45	192	194
BOLTON.*	22·4	24·1	0·09	0·00	0·80	1·01	1·13	0·14	0·07	0·04	0·51	0·96	0·29	0·32	1·47	1·85	173	194
MANCHESTER.	28·5	26·4	0·08	0·01	0·61	0·58	0·86	0·67	0·09	0·06	0·87	0·62	0·41	0·23	1·38	1·42	176	183
SALFORD.	26·4	22·3	0·33	0·00	0·78	0·50	1·01	0·69	0·11	0·03	0·89	0·64	0·57	0·47	1·62	1·86	178	184
OLDHAM.	25·2	24·5	0·05	0·00	0·48	1·58	0·94	0·26	0·11	0·04	0·64	0·30	0·41	0·20	0·83	1·07	171	183
BLACKBURN.*	24·8	24·1	0·00	0·00	0·87	0·98	0·46	0·40	0·01	0·02	0·42	0·02	0·69	0·66	1·20	1·92	184	187
PRESTON.*	26·6	27·3	0·01	0·00	0·66	0·60	0·44	0·82	0·09	0·11	0·56	0·33	0·61	0·42	2·53	2·88	209	222
HUDDESFIELD.*	21·8	19·6	0·00	0·00	0·68	0·17	0·17	0·08	0·05	0·05	0·58	0·68	0·21	0·13	0·55	0·64	179	163
HALIFAX.*	20·2	23·4	0·01	0·00	0·10	0·72	0·22	0·40	0·06	0·03	0·19	0·44	0·67	0·33	0·42	0·50	153	176
BRADFORD.	23·4	20·1	0·05	0·00	0·44	0·48	1·63	0·16	0·08	0·04	0·55	0·27	0·36	0·25	1·01	1·23	170	181
LEEDS.	24·3	24·2	0·04	0·00	0·43	0·66	1·41	0·46	0·08	0·20	0·63	0·50	0·46	0·44	1·45	1·61	178	184
SHEFFIELD.	24·0	22·4	0·00	0·11	0·38	0·06	1·32	1·50	0·08	0·04	0·68	0·42	0·59	0·30	1·31	1·74	165	172
HULL.	23·6	21·1	0·02	0·10	0·37	0·48	1·18	0·24	0·07	0·15	0·59	0·35	0·56	0·42	1·61	1·81	168	169
SUNDERLAND.	23·5	23·1	0·04	0·68	0·45	0·06	1·38	0·37	0·11	0·12	0·65	0·75	0·50	0·22	1·18	1·26	158	166
NEWCASTLE.	24·5	23·1	0·09	0·08	0·34	0·10	0·96	1·00	0·07	0·10	0·57	0·54	0·51	0·37	1·14	1·04	167	166
CARDIFF.	20·1	24·4	0·01	0·08	0·25	1·03	0·69	1·28	0·25	0·37	0·54	0·28	0·30	0·40	0·87	1·36	153	184

*As the rates for the 8 years 1874-81 are not available for these towns (see note to Table 2), the mean rate for the 2 years 1882-83 has been inserted in the column for mean rates in the 10 years 1874-83.

TABLE 5.—50 other large Town Districts; Population; Births and Deaths in 1884.

District Numbers.	TOWNS.	POPULATION ESTIMATED to the middle of 1884.*	YEAR ENDING 31st December 1884.							DISTRICTS AND SUB-DISTRICTS, taken as approximately representing the several Towns.
			BIRTHS.	DEATHS.	ANNUAL RATE per 1000 living.					
					Births.	Deaths.	Dis. in Colls. & Tab. J.	Deaths under 1 Year to 1000 Births registered.		
	FIFTY TOWNS -	2,734,066	95,784	55,387	35.0	20.3	2.86	159	{ Aggregate of under-mentioned Districts and Sub-districts.	
	II.—SOUTH EASTERN COS.									
46	Rochester and Chatham P.	62,476	2195	1171	35.1	18.7	2.34	145	{ Entire District of Medway.	
50	Maidstone - - - M†	30,831	1026	498	33.3	16.2	1.95	138	{ West and East Sub-districts.	
64	Dover - - - M	37,336	1174	687	31.4	18.4	2.52	145	{ Entire District. [Sub-districts.	
68	Hastings - - - M†	50,462	1202	804	23.8	15.9	1.86	149	{ All Saints and St. Mary-in-the-Castle	
97	Southampton - - M†	54,700	1721	934	31.5	17.1	1.24	121	{ Entire District.	
119	Reading - - - M†	47,419	1541	795	32.5	16.8	1.35	125	{ Entire District.	
	III.—SOUTH MIDLAND COS.									
150	Oxford - - - M	49,505	1478	814	29.9	16.4	1.84	120	{ Entire District, and St. Clement Sub-district of Headington.	
160	Northampton - - M†	65,045	2277	1209	35.0	18.6	3.40	182	{ St. Giles & All Saints Sub-districts.	
179	Cambridge - - - M	37,272	1012	615	27.2	16.5	1.21	139	{ Entire District.	
	IV.—EASTERN COUNTIES.									
196	Colchester - - - M	29,067	901	575	31.0	19.8	1.65	165	{ Entire District.	
213	Ipswich - - - M	53,023	1707	1078	32.2	20.3	2.72	148	{ Entire District.	
219	Yarmouth - - - M†	50,043	1761	1034	35.2	20.7	2.98	176	{ Entire District and Gorleston Sub-district of Mutford.	
	V.—SOUTH WESTERN COS.									
272	Exeter - - - M†	33,109	1095	701	28.7	18.4	1.31	151	{ Entire District.	
279	Devonport - - - M	43,939	1598	930	32.7	19.0	1.23	125	{ Entire District of Stoke Damerel.	
317	Bath - - - M†	53,983	1269	965	23.5	17.9	2.06	132	{ Bathwick, Lyncombe, and Walcot Sub-districts.	
	VI.—WEST MIDLAND COS.									
327	Gloucester - - - M†	33,918	1281	663	32.9	17.0	1.88	116	{ St. Nicholas, St. John the Baptist, & South Hamlet Sub-districts.	
335	Cheltenham - - - M†	44,660	1110	779	24.9	17.4	1.75	146	{ Cheltenham Sub-district.	
351	Shrewsbury - - - M	31,596	938	607	29.7	19.2	2.12	147	{ St. Mary & St. Chad Sub-districts of Ateam.	
363	Stoke-upon-Trent - P	168,748	6986	4025	41.4	23.9	3.68	183	{ Entire Dis. of Stoke-on-Trent & Tunstall and Burslem Sub-dis. of Wolstanton.	
367	Burton-upon-Trent - M†	45,769	1655	691	36.2	15.1	2.88	132	{ Burton-upon-Trent Sub-district.	
372	Walsall - - - M†	61,529	2363	1308	38.4	21.3	4.60	167	{ Bloxwich & Walsall Sub-districts.	
373	West Bromwich - Impt. D†	59,321	2319	1259	39.1	21.2	3.69	182	{ South-west and North-east Sub-dis.	
374	Dudley - - - M†	47,081	1984	1096	42.1	23.3	4.06	170	{ Dudley Sub-district.	
379	Worcester - - - M	32,294	1050	703	32.5	21.8	1.58	156	{ Entire District.	
392	Coventry - - - M	46,873	1537	968	32.8	19.4	2.58	175	{ Entire District.	
	VII.—NORTH MIDLAND COS.									
420	Lincoln - - - M†	47,200	1632	885	34.6	18.8	2.52	155	{ Home Sub-district.	
	VIII.—NORTH WESTERN COS.									
443	Stockport - - - M†	75,964	2484	1677	32.7	22.1	3.05	203	{ Heaton Norris, and Stockport 1st and 2d Sub-districts.	
444	Macclesfield - - - M†	36,518	1100	783	30.1	21.4	2.77	167	{ East and West Macclesfield and Sutton Sub-districts.	
450	Chester - - - M†	49,281	1520	975	30.8	19.8	1.60	124	{ Castle and Cathedral Sub-districts.	
456	St. Helens - - - M†	61,245	2601	1449	42.5	23.7	5.44	173	{ St. Helens Sub-district of Prescot.	
457	Southport - - - M	38,651	934	643	24.2	16.6	1.16	130	{ North Merols Sub-dist. of Ormskirk.	
458	Wigan - - - M†	51,578	2140	1346	41.5	26.1	6.53	177	{ Wigan Sub-district.	
459	Warrington - - M†	45,370	1889	916	41.6	20.2	4.28	143	{ Warrington Sub-district.	
462	Bury - - - M†	57,162	1839	1348	32.2	23.6	3.92	197	{ South and North Bury, and Elton Sub-districts.	
468	Ashton-under-Lyne - M†	38,173	1304	979	34.2	25.6	3.20	192	{ Ashton Town Sub-district.	
470	Rochdale - - - M†	80,024	2181	1647	27.3	20.6	2.09	168	{ Castleton Further and Nearer, Spotland Nearer, Wardleworth, & Wuerdles Sub-dis.	
471	Accrington - - - M†	35,412	1138	684	32.1	19.3	4.18	178	{ Accrington Sub-district of Haslingden.	
482	Barrow-in-Furness - M	57,127	1915	716	33.5	12.5	1.68	128	{ Entire District.	
	IX.—YORKSHIRE.									
510	Rotherham - - - M†	55,573	2188	1049	39.4	18.9	3.80	150	{ Rotherham and Kimberworth Sub-districts.	
516	York - - - - M†	72,405	2251	1529	31.1	21.1	3.47	175	{ Bootham, Micklegate, and Walmgate Sub-districts.	
534	Middlesbrough - - M†	63,138	2668	1367	42.3	21.7	3.99	144	{ Middlesbrough Sub-district.	
	X.—NORTHERN COUNTIES.									
542	Darlington - - - M†	42,534	1355	687	31.9	15.7	1.50	138	{ Darlington Sub-district.	
554	South Shields - - M	114,504	4936	2571	43.1	22.5	2.90	161	{ Entire District.	
555	Gateshead - - - M†	71,884	2923	1769	40.7	24.6	4.92	181	{ Gateshead Sub-district.	
557	Tynemouth - - - M†	48,437	1775	933	36.6	19.3	2.19	154	{ North Shields & Tynemouth Sub-dis.	
572	Carlisle - - - M†	41,543	1382	811	33.3	19.5	1.25	154	{ St. Cuthbert & St. Mary Sub-dis.	
	XI.—MONMOUTHSH. & WALES.									
585	Newport (Monmouth) M†	35,365	1517	749	42.9	21.2	3.90	134	{ Newport Sub-district.	
587	Ystradfydwg - L. G. D.†	50,157	2309	1208	46.0	24.1	4.01	163	{ Ystradfydwg Sub-dist. of Pontypridd.	
588	Merthyr Tydfil - - P	89,849	3279	2120	36.5	23.6	2.26	173	{ Lower and Upper Merthyr Tydfil, and Aberdare Sub-districts.	
592	Swansea - - - M	89,973	3344	1697	37.2	18.9	1.87	138	{ Llangafelach, Swansea, and Llan-samlet Sub-districts.	

NOTE.—The letter M or P affixed to the name of each Town denotes whether the limits, which the District or Sub-districts named in the last column approximately represent, are Municipal or Parliamentary. Impt. D. signifies an Improvement District, and L. G. D. a Local Government District.

* These estimates, excepting those for Barrow-in-Furness and Ystradfydwg, are based upon the numbers enumerated at the Census in 1881, and raised to the middle of 1884 by the addition of $\frac{3}{4}$ times the annual rate of increase that prevailed between 1871 and 1881. The populations of Barrow-in-Furness and Ystradfydwg have been estimated from special returns of inhabited houses furnished by the local authorities. † The rates of mortality for these towns have been corrected by the exclusion of a proportional number of deaths occurring in County Hospitals and Lunatic Asylums, situate within the District or Sub-districts here taken as representing the towns, or by the exclusion or addition of a proportion of the deaths in Union Workhouses in cases where only a portion of the Union is embraced by the area taken or where the Workhouse is situated outside that area.

TABLE 6.—Births and Deaths in 1884 in Edinburgh, Glasgow, Dublin, and in 32 Foreign Cities.

CITIES.	POPULATION (enumerated or estimated).	BIRTHS. (Excluding Stillborn.)	DEATHS.	ANNUAL RATE per 1000 Persons living.		DEATHS FROM EPIDEMIC DISEASES.							
				Births.	Deaths.	Small-pox.	Measles.	Scarlet Fever.	Diphthe- ria.	Whoop- ing-cough.	Typhus & Typhoid Fever.	Diarrhoeal Diseases.	
EDINBURGH - -	246,703	7533	4925	30·1	19·7	-	96	71	102	270	98	17	
GLASGOW - - -	517,941	20776	14158	39·5	26·9	15	370	427	289	768	246	565	
DUBLIN - - -	351,014	10268	9802	28·8	27·5	-	23	369	39	132	255	345	
CALCUTTA - - -	433,219	-	12608	-	29·2	482	33	-	13	89	7	3420	
BOMBAY - - -	773,196	14568	22435	18·9	29·1	133	442	?	?	?	18	2279	
MADRAS - - -	398,777	15992	20132	40·2	50·7	4200	134	?	?	?	?	3712	
PARIS - - -	2,239,928	64084	57166	28·7	25·6	77	1534	159	2097*	453	1618	5916†	
GENEVA - - -	70,765	1576	1861	21·9	25·9	17	1	3	33*	44	196	139	
BRUSSELS - - -	426,314	13842	10339	31·9	23·8	329	41	56	74	135	134	1363	
AMSTERDAM - -	361,314	13883	10295	37·8	28·0	2	245	467	242	129	67	76	
ROTTERDAM - -	166,001	6403	4546	38·0	27·0	1	230	113	31	38	20	61	
THE HAGUE - -	131,417	5094	3346	38·2	25·1	-	82	8	20	24	19	60	
COPENHAGEN - -	267,000	10422	6397	39·2	24·0	-	297	15	46	167	63	492	
STOCKHOLM - -	181,738	6573	4548	35·6	24·6	4	6	143	195*	39	48	714	
CHRISTIANIA - -	124,000	3840	2456	30·5	19·5	-	-	137	125*	96	3	238	
ST. PETERSBURG -	928,016	-	30086	-	31·9	137	1101	362	755	287	875	4766	
BERLIN - - -	1,242,407	43261	33309	34·3	26·4	23	297	401	2482	536	242	5477	
HAMBURG (State) -	467,258	18051	12754	38·0	26·9	-	117	127	468*	194	130	1307	
DRESDEN - - -	236,000	8176	6199	34·1	25·9	1	57	88	448	143	42	441	
BRESLAU - - -	292,000	10517	9383	35·4	31·6	-	208	60	165	39	96	1052	
MUNICH - - -	240,000	9236	7470	37·9	30·6	-	119	71	184*	134	36	1186	
VIENNA - - -	759,549	27260	20324	35·3	26·3	99	358	137	151	98	90	1302	
PRAGUE - - -	272,333	-	9164	-	33·1	1000	101	198	190*	95	110	267	
BUDA-PESTH - -	416,474	14697	12930	35·4	31·2	70	115	51	134	73	137	1329	
TRIESTE - - -	148,245	-	5093	-	34·5	393	6	40	281*	14	25	251	
ROME - - -	318,658	9473	8700	29·8	27·4	122	329	33	75	29	117	?	
TURIN - - -	262,521	7719	7882	29·5	30·1	297	301	12	130	89	247	?	
VENICE - - -	144,888	4002	3367	27·7	26·8	91	43	11	23*	9	45	467	
MADRID - - -	475,668	16158	15406	34·1	32·5	128	755	145	1094*	226	302	902	
LISBON - - -	203,681	5110	6009	25·2	29·6	216	18	38	104	14	82	?	
ALEXANDRIA - -	212,034	10640	7355	50·4	34·8	5	-	1	126*	280	326	1318	
NEW YORK - - -	1,348,375	-	34760	-	25·9	-	740	496	1069	434	569	3666	
BROOKLYN - - -	644,526	-	14030	-	21·8	-	114	218	382	223	107	1838	
PHILADELPHIA -	927,995	-	19999	-	21·6	35	107	540	680	104	665	918	
BALTIMORE - - -	408,520	-	8472	-	20·4	1	229	106	355	121	157	618	

* Including deaths from croup.

† Including 972 from cholera.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—Population; Births and Deaths in the 53 Weeks ending 3rd January 1885.

—	POPULATION, estimated to the middle of 1884.	ANNUAL RATE per 1000 living.			TOTAL BIRTHS.	TOTAL DEATHS.	The DEATHS registered in the 53 Weeks include										
		Births.	Deaths.	Principal Zymotic Diseases.			Deaths of		Deaths from								Deaths in Public
							Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.		
GREATER } LONDON }	5,098,995	33·9	19·7	3·20	175,621	102,139	26,649	21,498	1260	2008	1646	1269	3803	1241	4749	1934	
INNER LONDON	4,019,361	33·7	20·3	3·34	137,495	83,050	21,369	17,057	913	2285	1444	973	3188	1045	3781	1704	
OUTER RING -	1,074,634*	34·9	17·5†	2·70	38,126	19,089	5,280	4,441	347	323	202	296	615	196	968	230	

* The Population of the Outer Ring is estimated by deducting the estimated Population of Inner London from that of Greater London calculated in accordance with the rate of increase which prevailed between 1871 and 1881.

† The Death-rate in the Outer Ring, corrected for the deaths in the three Middlesex County Lunatic Asylums (see Table 9) was equal to 17·1 per 1000.

TABLE 8.—GREATER LONDON.—Area, Population, Inhabited Houses, Rateable Value, 1881.

	AREA (including Tidal Water).		Enumerated POPULATION, 1881.	DENSITY OF POPULA- TION in 1881.		INHABITED HOUSES, 1881.	RATEABLE VALUE, 1881.*
	In Acres.	In Square Miles.		Persons to an Acre.	Persons to a Square Mile.		
GREATER LONDON -	448,334	701	4,766,661	10·6	6,800	645,695	£ 32,854,916
INNER LONDON -	78,052	122	3,816,483	48·9	31,283	486,186	27,402,509
OUTER RING -	370,282	579	950,178	2·6	1,641	159,509	5,452,407

* The Rateable Value of London in 1881 was furnished by the Metropolitan Police Office.

TABLE 9.—LONDON—OUTER RING. Population; Births; Deaths from All Causes and from the Seven Zymotic Diseases; and the Annual Rate of Mortality, in the 53 Weeks ending 3rd January 1885.

DISTRICTS AND SUB-DISTRICTS.	POPULA- TION estimated to the middle of 1884.	BIRTHS.	DEATHS.	DEATHS from Seven Zymotic Diseases.	ANNUAL RATE PER 1000 LIVING.		
					Births.	Deaths.	Seven Zymotic Diseases.
LONDON—OUTER RING -	1,074,634	38,126	19,089	2947	34·9	17·1	2·70
EPSOM (part of) - - - -	35,001	876	692	52	24·6	12·9	1·46
CROYDON and part of GODSTONE - - - -	132,921	4036	2156	282	29·9	16·0	2·09
KINGSTON (part of) - - - -	82,222	2596	1281	154	31·1	15·3	1·84
RICHMOND - - - -	35,950	1159	682	101	31·7	18·7	2·77
BROMLEY (part of) - - - -	52,630	1699	813	107	31·8	15·2	2·00
BEXLEY - - - -	25,446	821	400	62	31·8	15·5	2·40
STAINES - - - -	24,687	750	364	39	29·9	14·7	1·56
UXBRIDGE - - - -	27,809	940	592	36	33·3	17·0	1·27
BRENTFORD - - - -	112,096	3840	1847	203	33·7	16·4	1·78
HENDON and BUSHEY - - - -	67,137	2455	1177	181	36·0	17·4	2·65
BARNET and part of HATFIELD - - - -	37,637	1126	721	66	29·5	14·0	1·73
EDMONTON - - - -	161,026	6204	2976	500	37·9	18·4	3·06
WEST HAM and part of CHIGWELL - - - -	258,260	10766	4991	1065	41·0	19·0	4·06
ROMFORD (part of) - - - -	21,812	858	397	99	38·7	17·9	4·47

Note.—The estimates of the population in the middle of 1884 are based upon the numbers enumerated in April 1881. In calculating the rates of mortality for the above Table, a proportion of the deaths recorded in the three Middlesex County Lunatic Asylums, situated in the Districts of Epsom, Uxbridge, and Barnet, has been excluded as belonging to the Middlesex portion of Registration or Inner London, and the remainder distributed among the Middlesex Districts in the Outer Ring.

TABLE 10.—LONDON. Of the 3,816,483 Inhabitants enumerated in 1881, the Numbers of each Sex born in LONDON, and elsewhere.

	MALES.		FEMALES.		EXCESS OF FEMALES.	
	1871.	1881.	1871.	1881.	1871.	1881.
TOTAL INHABITANTS - - -	1,523,151	1,797,486	1,731,109	2,018,997	207,958	221,511
BORN IN LONDON - - -	975,461	1,147,063	1,080,115	1,254,892	104,654	107,829
BORN OUT OF LONDON - - -	547,690	650,423	650,994	764,105	103,304	113,682

Note.—The enumerated Population of London in 1881 included 2,401,955 of both sexes born in London and 1,414,528 born elsewhere.

TABLE 11.—London : Population at different Ages, as enumerated at the Censuses of 1851, 1861, 1871, and 1881, with the Numbers of Males and Females at the various Ages in 1881.

—	ALL AGES.	0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 & upwds
1851	2,362,233	293,562	243,648	216,369	213,694	241,401	423,123	308,949	208,363	122,946	62,608	19,845	2,728
1861	2,803,989	362,296	300,259	264,349	259,155	277,389	476,802	363,417	246,918	149,503	74,089	23,721	3,141
1871	3,254,260	422,629	349,686	309,558	307,075	321,585	551,973	404,954	290,977	174,265	90,198	27,604	3,636
1881	3,816,483	497,044	419,740	366,111	368,628	385,236	641,265	471,131	320,530	205,921	103,815	32,982	4,080
Males -	1,797,486	248,619	208,193	179,483	171,659	176,186	297,085	222,417	147,616	90,992	42,139	11,877	1,220
Females -	2,018,997	248,425	211,547	186,628	196,969	209,050	344,180	248,714	172,914	114,929	61,876	21,105	2,860

NOTE.—In England the proportion of Females to Males in the population in 1881 was as 105 to 100; in London it was as 112 to 100. These proportions exactly corresponded with those that prevailed in 1871.

TABLE 12.—London : Marriages, Births, and Deaths, 1870-1884.

YEARS.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884 (53 weeks)
MARRIAGES - -	30,382	31,843	33,155	33,425	33,248	34,072	34,007	33,593	33,742	33,477	34,144	34,578	35,612	35,879	35,366
BIRTHS -															
Persons	113,902	112,617	118,440	119,015	121,950	123,266	127,444	128,092	129,765	131,542	133,310	132,904	133,309	134,503	137,486
Males -	58,117	57,032	60,453	60,513	62,072	62,782	65,058	65,477	66,241	66,445	67,985	67,556	67,953	68,449	70,085
Females	55,785	55,585	57,987	58,502	59,878	60,484	62,386	62,615	63,521	65,097	65,325	65,348	65,351	66,054	67,401
DEATHS -															
Persons	77,634	80,430	71,355	75,459	76,813	81,964	77,671	77,449	84,188	83,805	81,832	81,346	82,913	80,995	83,001
Males -	39,853	40,634	36,592	38,366	39,212	42,056	40,071	39,997	43,031	42,826	41,078	41,706	42,092	41,646	42,801
Females	37,781	39,796	34,763	37,093	37,601	39,908	37,600	37,452	41,157	40,979	39,854	39,540	40,821	39,349	40,199
EXCESS OF BIRTHS OVER DEATHS -	36,268	32,187	47,085	43,556	45,137	41,302	49,773	50,643	45,577	47,737	51,478	51,558	50,396	53,508	54,485
ANNUAL RATES PER 1000.															
Persons Married	18.9	19.5	19.9	19.8	19.4	19.6	19.2	18.7	18.5	18.0	18.1	18.1	18.3	17.9	17.7
Births -	35.4	34.5	35.6	35.3	35.6	35.4	35.9	35.6	35.5	35.5	35.3	34.7	34.2	34.0	33.8
Deaths	24.1	24.6	21.4	22.4	22.4	23.5	21.9	21.8	23.1	22.6	21.7	21.2	21.3	20.5	20.0

NOTE.—The figures in the above table, except those for 1884, relate to the calendar year ending 31st December. The figures for 1884 relate to the 53 weeks ending 3rd January 1885.

TABLE 13.—London Annual Rate of Mortality, in the 45 Years 1840-1884, in Five Groups of Metropolitan Districts.

	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
Area in Square Miles	122.0	16.8	21.0	3.5	9.3	71.4
Decennial Increase of Po- pulation per Cent., 1871-81 }	17.3	19.3	20.5	{ -15.6 (decrease). }	8.4	30.8
Enumerated Population, } 1881	3,816,483	669,633	905,947	282,238	692,738	1,265,927
Density : Persons } to an Acre	{ 25 42 49	{ 27 52 62	{ 28 56 67	{ 172 150 127	{ 66 107 116	{ 11 21 28
YEARS.	MEAN RATE OF MORTALITY PER 1000 IN 45 YEARS.					
1840-1884	23.6	22.1	23.3	25.0	25.6	23.6
	MEANS OF 10 YEARS.					
1841-50	24.8	23.0	22.7	24.7	26.2	26.2
1851-60	23.7	22.6	22.2	24.4	25.1	24.4
1861-70	24.4	22.7	23.6	26.7	26.9	23.4
1871-80	22.5	20.8	21.9	24.8	24.9	21.8
	ANNUAL RATE OF MORTALITY PER 1000.					
1840	25.0	24.1	23.9	24.5	25.7	25.9
1841	24.1	22.4	22.4	25.0	25.1	24.4
1842	23.6	22.6	22.6	23.6	24.4	23.9
1843	24.8	23.3	23.1	25.3	26.4	24.8
1844	25.1	23.0	23.3	24.4	25.9	25.6
1845	23.3	22.5	21.0	24.0	24.6	23.8
1846	23.4	21.6	21.9	22.9	24.1	24.6
1847	26.8	24.5	25.4	27.9	29.4	27.7
1848	25.7	23.6	23.4	25.3	28.7	27.2
1849	30.1	26.1	23.7	27.9	31.8	37.6
1850	21.0	19.6	19.8	21.1	21.7	21.9
1851	23.4	22.0	22.2	24.1	24.3	24.0
1852	22.5	21.5	21.2	23.9	23.3	23.0
1853	24.4	22.3	22.4	25.1	26.5	25.3
1854	29.4	28.5	24.4	27.4	30.0	34.8
1855	24.3	23.0	23.3	25.1	25.5	24.6
1856	22.0	21.5	21.1	23.0	23.3	21.8
1857	22.4	21.2	21.5	23.8	24.6	21.5
1858	23.9	22.4	22.9	24.5	25.8	24.0
1859	22.7	21.4	21.7	24.1	24.0	22.6
1860	22.4	22.2	21.2	23.3	24.1	22.1
1861	23.2	22.1	22.3	25.4	24.0	22.8
1862	23.6	22.0	22.0	26.3	26.0	22.7
1863	24.5	23.0	23.8	27.1	26.5	23.3
1864	26.4	24.6	25.4	30.0	29.0	25.4
1865	24.5	22.7	24.5	27.5	26.4	23.2
1866	26.5	22.6	25.3	27.5	34.0	24.1
1867	23.0	21.8	23.1	25.1	24.2	22.0
1868	23.5	22.3	22.9	25.6	25.6	22.9
1869	24.6	22.2	23.5	26.8	28.0	23.9
1870	24.1	23.8	23.6	26.1	25.1	23.5
1871	24.6	22.5	25.6	25.0	26.1	24.0
1872	21.4	19.6	21.1	23.6	23.6	20.6
1873	22.4	20.5	21.1	25.1	25.2	21.7
1874	22.4	20.9	21.7	25.6	25.5	21.0
1875	23.5	22.2	22.1	26.2	25.7	23.3
1876	21.9	20.9	21.1	24.1	23.9	21.2
1877	21.5	19.2	21.5	24.2	24.5	20.5
1878	23.1	21.6	22.0	25.1	25.0	23.0
1879	22.6	20.9	21.5	26.0	25.5	21.8
1880	21.7	19.8	20.8	23.4	24.3	21.3
1881	21.2	19.6	20.6	23.2	24.2	20.5
1882	21.3	19.8	19.6	23.8	25.2	20.6
1883	20.5	19.5	19.1	23.3	24.1	19.5
1884	20.3	19.2	19.1	23.8	23.0	19.8
Average Number living to One Annual Death in 45 years	42	45	45	40	39	42

NOTE.—The populations upon which these rates of mortality have been calculated are deduced from the numbers enumerated at the five Censuses of 1841, 1851, 1861, 1871, and 1881. The deaths used for the 44 years 1840-83 are for the calendar years, while those for 1884 are the numbers registered in the 53 weeks ending 3rd January 1885.

Hampstead and Lewisham did not form part of Registration London prior to 1847. Wandsworth was not included in Registration London until the commencement of 1840, but the facts for that district have been included in calculating the rates in the above Table for the years 1840-43.

Certain alterations affecting the West and Central groups of districts were made in the year 1863, but no corrections have been made in the results given in this Table for any year prior to 1861.

TABLE 14.—LONDON. Population, Zymotic and

PERIODS AND YEARS.	Population estimated to the middle of each Period or Year.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and defined Fever.	Diarrhoea and Dysentery.	Cholera.
Cols. - 1	2	3	4	5	6	7	8	9	10	11	12
Periods.											
1838-40 (3 Years.)	1,803,004	5,686	3,756	5,977		4,313	7,159			1,475	111
1841-50	2,103,487	8,416	13,011	18,314		18,079	20,890			16,926	15,588
1851-60	2,570,489	7,150	13,706	26,317		22,497	22,597			26,362	12,886
1861-70	3,018,193	8,347	17,338	34,391	5,323	26,550	27,149			31,578	7,403
1871-80	3,513,843	15,539	17,947	21,247	4,319	28,728	1,887	8,536	2,579	33,168	1,328
1838	1,766,169	3817	588	1524		2083	4078			498	15
1839	1,802,751	634	2036	2409		1161	1819			455	36
1840	1,840,091	1235	1132	1954		1069	1262			522	60
1841	1,878,205	1053	978	663		2278	1151			543	28
1842	1,917,108	360	1293	1224		1603	1184			855	118
1843	1,954,041	438	1442	1867		1908	2094			1005	85
1844	2,033,816	1804	1182	3029		1292	1721			831	65
1845	2,073,298	909	2318	1085		1816	1324			940	43
1846	2,113,535	257	747	928		2035	1838			2308	228
1847	2,202,673	955	1778	1433		1600	3297			2283	117
1848	2,244,837	1620	1144	4767		1630	3685			2247	652
1849	2,287,302	521	1154	2149		2349	2564			3837	14,125
1850	2,330,054	499	980	1169		1568	2032			2077	127
1851	2,373,081	1062	1297	1285		2185	2374			2755	213
1852	2,416,367	1159	595	2571		1569	2183			2513	162
1853	2,459,899	211	978	2016		2667	2617			2649	883
1854	2,503,662	694	1409	3477		2502	2816			3325	10,738
1855	2,547,639	1039	878	2611		2438	2460			2190	149
1856	2,591,815	531	1479	1819		2092	2717			2414	152
1857	2,636,174	156	1841	1599		2527	2195			3298	214
1858	2,680,700	242	2369	4184		2708	1919			2220	131
1859	2,725,374	1158	1380	3481	773	1742	1840			3513	193
1860	2,770,181	898	2090	2017	484	2067	1476			1485	51
1861	2,815,101	217	1062	2381	674	3548	1848			2740	168
1862	2,860,117	366	2334	3492	730	2168	3673			1839	106
1863	2,905,210	1996	1634	4955	799	2175	2871			2492	159
1864	2,950,361	547	2788	3244	611	2423	3782			3013	156
1865	2,995,551	640	1290	2179	431	2935	3217			3721	196
1866	3,040,761	1391	2220	1892	462	2960	2688			3294	5596
1867	3,085,971	1345	1143	1451	447	2278	2184			3060	240
1868	3,131,160	597	1962	2916	495	2338	2468			4110	324
1869	3,176,308	275	1456	5841	340	3769	716	1069	615	3495	219
1870	3,221,394	973	1449	6040	334	1956	472	976	570	3814	239
1871	3,267,251	7912	1427	1902	344	2291	384	871	436	3968	221
1872	3,319,736	1786	1680	918	267	3259	174	807	322	3558	181
1873	3,373,065	113	2149	645	320	2620	277	908	325	3950	162
1874	3,427,250	57	1680	2648	419	1867	312	879	337	3201	123
1875	3,482,506	46	1403	3677	581	3204	128	817	272	3289	108
1876	3,538,246	736	1720	2308	387	2737	159	769	202	3585	135
1877	3,595,085	2651	2387	1580	316	1817	157	901	194	2421	88
1878	3,652,837	1417	1500	1808	566	4483	151	1035	197	3534	124
1879	3,711,617	450	2475	2661	575	2934	71	849	160	1894	53
1880	3,771,139	471	1521	3100	544	3516	74	702	134	3738	133
1881	3,831,719	2367	2536	2114	657	1973	92	971	134	3055	95
1882	3,893,272	430	2338	2006	857	4632	53	975	95	2144	79
1883	3,955,814	136	2441	2006	952	1598	55	963	102	2652	83
1884	4,019,331	913	2285	1444	973	3188	31	936	78	3781	163

NOTE.—Wandsworth was not included in Registration London until 1844, and Lewisham and throughout, but the population in each year refers to the same
For the years 1838-50 the numbers of deaths from the various diseases are derived from summaries of to the calendar years. All the

In calculating the proportions of births and deaths to population, a correction

Infant Mortality in 47 Years 1838-84.

ANNUAL MORTALITY TO 1,000 PERSONS LIVING OF DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.											Annual Mortality of Infants under One Year of Age to 1000 Births.	PERIODS AND YEARS.
Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Ill- simple and defined Fever.	Diarrhoea and Dysentery.	Cholera.			
13	14	15	16	17	18	19	20	21	22	23	24	
1'05	0'69	1'11		0'80	1'32			0'27	0'02	—	Periods. 1838-40 (3 years.) 1841-50	
0'40	0'62	0'86		0'87	0'98			0'80	0'68	157	1851-60	
0'28	0'53	1'01		0'88	0'89			1'03	0'52	155	1861-70	
0'28	0'58	1'13	0'18	0'88	0'91			1'05	0'24	162	1871-80	
0'46	0'51	0'60	0'12	0'82	0'05	0'24	0'07	0'94	0'04	158		
2'16	0'33	0'86		1'18	2'31			0'28	0'01	—	1838	
0'35	1'13	1'39		0'64	1'01			0'25	0'02	—	1839	
0'67	0'62	1'06		0'58	0'69			0'28	0'03	—	1840	
0'56	0'52	0'35		1'21	0'61			0'29	0'01	160	1841	
0'19	0'67	0'64		0'84	0'62			0'45	0'06	157	1842	
0'22	0'74	0'96		0'98	1'07			0'51	0'04	163	1843	
0'89	0'58	1'49		0'64	0'84			0'41	0'03	152	1844	
0'44	1'12	0'52		0'88	0'64			0'45	0'02	149	1845	
0'12	0'35	0'44		0'96	0'87			1'09	0'11	157	1846	
0'43	0'81	0'65		0'73	1'50			1'04	0'05	166	1847	
0'72	0'51	2'12		0'73	1'64			1'00	0'29	158	1848	
0'23	0'50	0'94		1'03	1'12			1'68	6'18	169	1849	
0'21	0'42	0'50		0'67	0'87			0'89	0'05	140	1850	
0'45	0'55	0'54		0'92	1'00			1'16	0'09	154	1851	
0'48	0'25	1'06		0'65	6'90			1'04	0'07	151	1852	
0'09	0'40	0'82		1'08	1'06			1'08	0'36	158	1853	
0'28	0'56	1'39		1'00	1'12			1'33	4'29	164	1854	
0'41	0'34	1'02		0'96	0'97			0'86	0'06	152	1855	
0'20	0'57	0'70		0'81	1'05			0'93	0'06	150	1856	
0'06	0'51	0'61		0'96	0'83			1'25	0'08	156	1857	
0'09	0'88	1'56		1'01	0'72			0'83	0'05	160	1858	
0'42	0'49	1'28	0'28	0'64	0'68			1'29	0'07	150	1859	
0'32	0'75	0'73	0'17	0'75	0'53			0'54	0'02	153	1860	
0'08	0'38	0'85	0'24	1'26	0'66			0'97	0'06	155	1861	
0'13	0'82	1'22	0'26	0'76	1'28			0'64	0'04	143	1862	
0'69	0'56	1'70	0'28	0'74	0'99			0'86	0'05	151	1863	
0'19	0'95	1'10	0'21	0'82	1'28			1'02	0'05	169	1864	
0'21	0'43	0'73	0'14	0'98	1'07			1'24	0'07	171	1865	
0'46	0'73	0'62	0'15	0'97	0'88			1'08	1'84	172	1866	
0'44	0'37	0'47	0'14	0'74	0'71			0'99	0'08	159	1867	
0'19	0'63	0'93	0'16	0'75	0'79			1'31	0'10	166	1868	
0'09	0'46	1'84	0'11	1'19	0'23	0'34	0'13	1'10	0'07	170	1869	
0'30	0'45	1'87	0'10	0'61	0'15	0'30	0'18	1'18	0'07	164	1870	
2'42	0'44	0'58	0'11	0'70	0'12	0'27	0'13	1'21	0'07	171	1871	
0'54	0'51	0'28	0'08	0'98	0'05	0'24	0'10	1'08	0'05	158	1872	
0'03	0'64	0'19	0'09	0'78	0'08	0'27	0'10	1'17	0'05	160	1873	
0'02	0'49	0'77	0'12	0'54	0'09	0'26	0'10	0'93	0'04	156	1874	
0'01	0'40	1'06	0'17	0'92	0'04	0'23	0'08	0'94	0'03	162	1875	
0'21	0'49	0'65	0'11	0'77	0'04	0'22	0'06	1'01	0'04	157	1876	
0'71	0'66	0'44	0'09	0'51	0'04	0'25	0'05	0'67	0'02	146	1877	
0'39	0'41	0'49	0'15	1'23	0'04	0'28	0'05	0'97	0'03	164	1878	
0'12	0'67	0'72	0'15	0'79	0'02	0'23	0'04	0'51	0'01	148	1879	
0'12	0'40	0'82	0'14	0'93	0'02	0'19	0'04	0'99	0'04	158	1880	
0'62	0'66	0'55	0'17	0'51	0'02	0'25	0'03	0'80	0'02	148	1881	
0'11	0'60	0'52	0'22	1'20	0'01	0'25	0'02	0'55	0'02	151	1882	
0'03	0'62	0'51	0'24	0'40	0'01	0'24	0'03	0'67	0'02	146	1883	
0'22	0'56	0'35	0'24	0'78	0'01	0'23	0'02	0'93	0'04	155	1884	

Hampstead not until 1847; thus the figures in the above Table do not relate to the same area as the various columns relating to Births and Deaths.

52 or 53 weeks; the numbers for the 33 years 1851-83 are derived from the Annual Reports, and relate figures for 1884 are for 53 weeks.

was made for leap years and also for years represented by 52 or 53 weeks.

TABLE 15.—Deaths Registered in London at several groups of Ages and from different Causes during the 53 Weeks ending Saturday 3rd January 1885.

CAUSES OF DEATH.	Annual Average, 1874-83.	TOTAL AT ALL AGES.	0-5.		5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and upwds.
			Under 1 Year.	1-5.					
ALL CAUSES	89,570	83,050	21,369	14,661	5492	10,811	13,660	14,085	2972
Small-pox { Vaccinated - - - - - } { Unvaccinated - - - - - } { No Statement - - - - - }	965 { { {	250 319 844	1 60 48	7 84 36	38 92 96	142 60 114	56 19 36	6 3 14	- 1 1
Measles - - - - -	2213	2285	442	1686	149	6	1	1	-
Scarlet Fever - - - - -	2647	1444	80	893	480	35	5	1	-
Typhus - - - - -	140	31	-	3	9	10	7	2	-
Relapsing Fever - - - - -	1†	1	-	-	-	-	-	1	-
Influenza - - - - -	14	6	2	1	1	-	-	2	-
Whooping-cough - - - - -	3182	3188	1273	1806	106	2	1	-	-
Diphtheria - - - - -	687	973	55	564	298	30	17	8	1
Simple and Undefined Fever - - - - -	211	78	3	22	15	11	16	10	1
Enteric Fever - - - - -	961	996	9	72	388	378	107	32	-
Simple Cholera - - - - -	113	163	80	28	8	6	24	16	1
Diarrhoea, Dysentery - - - - -	3323	3781	2890	595	32	45	69	179	61
Remittent Fever - - - - -	19†	20	1	13	1	5	-	-	-
Hydrophobia - - - - -	7	9	-	-	1	7	1	-	-
Glanders - - - - -	3	-	-	-	-	-	-	-	-
Cowpox and Vaccination - - - - -	13†	12	11	1	-	-	-	-	-
Veneral Affections - - - - -	589	537	363	40	5	50	46	25	3
Erysipelas - - - - -	397	381	105	14	8	43	80	112	19
Pæmia, Septicæmia - - - - -	157†	169	22	16	20	47	33	20	1
Puerperal Fever - - - - -	312	327	-	-	12	290	25	-	-
Other Zymotic Diseases - - - - -	92†	102	23	40	12	13	9	4	1
Thrush - - - - -	182	119	116	1	-	-	-	1	1
Worms & other Parasitical Diseases - - - - -	22	17	2	2	2	9	2	-	-
Starvation, Want of Breast-milk - - - - -	118†	87	79	2	-	1	2	3	-
Alcoholism, Delirium Tremens - - - - -	225	243	1	-	1	100	113	27	1
Rheumatic Fever, Rheumatism of } Heart - - - - - } Rheumatism - - - - - } Gout - - - - - } Rickets - - - - - }	563 { { { { {	444 140 163 190	2 - - 64	6 - 1 121	148 4 - 5	165 18 9	92 45 68	31 67 74	- 6 11
Cancer - - - - -	2895	2623	3	18	22	260	1225	1032	53
Tabes Mesenterica - - - - -	1604	1594	984	489	83	24	9	5	-
Tubercular Meningitis - - - - -	1668	1316	480	667	189	20	9	1	-
Phthisis - - - - -	9502	8881	164	229	774	4987	2838	470	9
Scrofula, Tuberculosis - - - - -	757	994	284	887	196	115	83	9	-
Other Constitutional Diseases - - - - -	444†	515	56	23	65	102	160	132	7
Premature Birth - - - - -	1605	1911	1910	1	-	-	-	-	-
Atelectasis - - - - -	118†	126	125	1	-	-	-	-	-
Congenital Malformations - - - - -	361	358	332	16	4	-	1	-	-
Old Age - - - - -	2823	2473	-	-	-	-	15	1235	1223
Apoplexy - - - - -	2460	2141	34	21	32	176	632	1032	164
Epilepsy - - - - -	409	378	19	21	43	104	107	75	9
Convulsions - - - - -	2800	2602	2159	424	11	4	2	1	1
Other Diseases of Brain, &c. - - - - -	4583	4440	706	827	336	323	709	1309	230
Diseases of Organs of Special Sense - - - - -	111	121	25	27	36	17	10	3	3
Diseases of Circulatory System - - - - -	5210	5472	54	54	389	887	1790	2057	241

* These averages have been raised for increase of population between the middle of the period 1874-83, and the middle of 1884, and also to afford comparison with the deaths recorded in the 53 weeks of 1884. For the population at each group of ages, estimated to the middle of 1884, see Table 25.

† Those cases of small-pox only are returned as "Vaccinated" or as "Unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "No Statement."

‡ In consequence of changes of classification the deaths from these diseases in years prior to 1882 cannot be ascertained, the averages are therefore in those cases only for the two years 1882 and 1883.

TABLE 15 (continued).—Deaths REGISTERED in London at several groups of Ages from different Causes during the 53 Weeks ending Saturday 3rd January 1885.

CAUSES OF DEATH.	Annual Average 1874-83.	TOTAL AT ALL AGES.	0-5.		5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and upwds.
			Under 1 Year.	1-5.					
Croup - - - - -	748	751	72	567	111	-	1	-	-
Bronchitis - - - - -	11774	9211	2455	1805	126	232	1286	2705	512
Pneumonia - - - - -	4879	4254	927	1313	228	509	694	519	59
Pleurisy - - - - -	283	281	10	25	28	51	81	62	4
Other Diseases of Respiratory System	2073	1484	276	333	90	126	290	325	44
Dentition - - - - -	794	796	437	358	1	-	-	-	-
Sore Throat, Quinsy - - - - -	114†	102	17	40	21	9	7	7	1
Enteritis - - - - -	413	336	121	46	29	35	48	46	11
Peritonitis - - - - -	351	340	37	16	71	85	82	47	2
Disease of Liver - - - - -	1695	1555	127	18	32	223	647	484	24
Others, Digestive System - - - - -	1484	1662	375	114	79	201	378	452	63
Disease of Lymphatics, &c. - - - - -	89†	105	10	17	17	26	26	8	1
Diseases of Urinary System - - - - -	1792	1873	18	72	89	344	634	658	63
Diseases of Generative System - - - - -	316	315	13	3	9	92	134	61	3
Accidents of Childbirth - - - - -	293	193	-	-	9	159	25	-	-
Diseases of Locomotive System - - - - -	413†	381	18	36	159	81	55	32	-
Diseases of Integumentary System - - - - -	449†	279	97	11	6	12	44	86	23
(ACCIDENT.) †									
Fractures and Contusions - - - - -	1099	1065	34	117	154	206	277	216	61
Wounds { Gunshot - - - - -	6	7	-	-	3	3	-	1	-
{ Cut, Stab - - - - -	28	27	-	2	3	6	6	10	-
Burns and Scalds - - - - -	295	288	56	147	36	33	25	18	3
Poison - - - - -	74	60	3	7	6	17	15	12	-
Drowning - - - - -	434	305	8	9	100	110	61	17	-
Suffocation - - - - -	637	601	542	11	5	15	15	11	2
Otherwise - - - - -	180	165	54	11	15	25	42	16	2
(BATTLE.)									
Gunshot Wounds - - - - -	-	1	-	-	1	-	-	-	-
(HOMICIDE.) †									
Murder and Manslaughter - - - - -	93	70	37	6	5	12	8	2	-
(SUICIDE.) †									
Wounds { Gunshot - - - - -	28	42	-	-	3	19	13	7	-
{ Cut, Stab - - - - -	74	80	-	-	1	24	34	19	2
Poison - - - - -	69	70	-	-	8	24	23	9	1
Drowning - - - - -	67	71	-	-	5	25	23	13	-
Hanging - - - - -	89	71	-	-	2	15	38	15	1
Otherwise - - - - -	32	33	-	-	-	16	12	5	-
(EXECUTION.)									
Hanging - - - - -	3	2	-	-	-	1	1	-	-
All Other Causes - - - - -	3448†	3500	2743	273	89	50	131	222	42

* See note on preceding page.

† The evidence at inquests is often insufficient to enable the coroner to certify whether a violent death resulted from accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

‡ In consequence of changes of classification the deaths from these diseases in years prior to 1882 cannot be ascertained, the averages in these cases are therefore only for the two years 1882 and 1883.

TABLE 16.—Causes of Deaths REGISTERED in London in each of the 10 Years 1874-1883; Averages 1874-1883; and Deaths REGISTERED in 1884 and in each Quarter of 1884.

YEARS - - - -	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1884.			
												QUARTER ENDING			
												Mar. 29	June 28	Sept. 27	Jan. 3 1885.
CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371* Days.	91 Days.	91 Days.	91 Days.	98 Days.
ALL CAUSES - -	76606	81513	77411	77002	83995	85540	81128	81071	82905	80578	83050	20382	19944	20965	21759
Small-pox { Vaccinated - Unvaccinated - No statement }	56	75	735	2544	1416	458	475	2371	{ 108 184 139 }	{ 42 55 37 }	{ 250 319 344 }	{ 21 15 24 }	{ 71 120 102 }	{ 51 80 65 }	{ 107 104 153 }
Measles - - - -	1655	1427	1741	2347	1510	2488	1501	2533	2329	2420	2385	649	1024	419	293
Scarlet Fever - - -	2682	3651	2297	1576	1792	2706	3073	2108	2004	1989	1444	390	343	346	365
Typhus - - - -	312	128	163	159	150	70	72	96	52	56	81	3	9	9	10
Relapsing Fever† -	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-
Influenza - - - -	16	21	23	15	9	9	11	8	6	11	6	2	1	-	3
Whooping-cough - -	1861	3232	2739	1780	4446	3000	3438	1961	4647	1582	3188	1104	1296	505	283
Diphtheria - - - -	365	546	359	317	558	592	541	654	863	951	973	208	207	243	315
Simple & Undefined Fever	359	312	232	204	201	168	125	123	90	90	78	22	18	15	23
Enteric Fever - - -	883	842	781	886	1010	861	689	977	975	935	996	216	196	286	238
Simple Cholera - - -	122	107	131	88	123	64	134	95	79	83	163	6	10	145	2
Diarrhoea, Dysentery -	3149	3276	3589	2572	3721	1956	3823	3053	2162	2644	3781	147	201	3097	836
Remittent Fever† - -	-	-	-	-	-	-	-	-	21	17	20	4	5	3	8
Hydrophobia - - - -	9	6	6	16	5	2	3	5	4	8	9	-	5	4	-
Glanders - - - -	2	-	3	8	4	5	3	2	1	1	-	-	-	-	-
Cowpox and Vaccination†	-	-	-	-	-	-	-	-	14	12	12	-	1	9	2
Veneral Affections - -	403	543	525	500	524	538	537	551	517	538	537	120	117	164	136
Erysipelas - - - -	558	433	379	322	278	244	340	333	347	324	381	100	73	79	129
Pycmæia Septicæmia†	-	-	-	-	-	-	-	-	167	147	159	33	47	35	44
Puerperal Fever - - -	456	304	255	217	195	194	208	332	287	307	327	98	59	60	120
Other Zymotic Diseases†	-	-	-	-	-	-	-	-	85	98	102	25	36	17	24
Thrush - - - -	171	185	179	167	172	166	185	178	112	127	119	15	15	53	36
Worms and other Parasitical Diseases - - }	17	14	12	18	26	17	32	23	26	17	17	9	1	3	4
Starvation, Want of Breast Milk†	-	-	-	-	-	-	-	-	127	99	87	15	8	34	30
Alcoholism, Delirium Tremens }	151	206	195	184	202	215	164	198	226	283	243	54	56	66	67
Rheumatic Fever, Rheumatism of Heart - - }	526	614	509	451	432	445	467	601	{ 338 160 }	{ 384 145 }	{ 444 140 }	{ 117 84 }	{ 89 32 }	{ 96 32 }	{ 142 42 }
Gout - - - -	143	140	144	179	135	187	189	162	149	136	163	36	41	50	36
Rickets† - - - -	-	-	-	-	-	-	-	-	113	166	190	53	56	38	43
Cancer - - - -	1929	1951	1973	1910	2086	2165	2229	2353	2442	2547	2623	676	630	617	700
Tabes Mesenterica - -	1195	1573	1456	1450	1515	1468	1630	1384	1370	1421	1594	289	293	610	402
Tubercular Meningitis -	1454	1451	1418	1559	1625	1618	1629	1569	1252	1420	1316	817	375	347	277
Phthisis - - - -	8255	8797	8781	8519	8885	8800	8029	8312	8409	8917	8881	2104	2174	2115	2488
Scrofula, Tuberculosis -	583	654	590	654	687	690	734	698	749	788	994	206	257	273	238
Other Constitutional Dis. †	-	-	-	-	-	-	-	-	379	508	515	130	129	101	155
Premature Birth - - -	1201	1255	1325	1281	1350	1396	1565	1489	1745	1861	1911	460	484	448	519
Atelectasis† - - - -	-	-	-	-	-	-	-	-	100	136	126	29	24	30	43
Congenital Malformations	260	314	310	349	333	346	348	398	325	328	353	95	80	90	88
Old Age - - - -	2479	2462	2399	2379	2514	2896	2495	2568	2554	2730	2473	609	554	556	754
Apoplexy - - - -	2262	2195	2165	2175	2341	2363	2250	2345	2085	1993	2141	513	509	474	645
Epilepsy - - - -	372	418	387	371	358	396	334	373	345	333	378	82	105	84	107
Convulsions - - - -	2533	2595	2609	2544	2558	2582	2445	2264	2563	2549	2602	629	619	738	623
Other Diseases of Brain, &c.	3664	3987	3790	3947	4197	4341	4135	4091	4678	4481	4440	1142	1132	1079	1087
Diseases of Organs of Special Sense† - - }	-	-	-	-	-	-	-	-	86	135	121	31	29	21	40
Diseases of Circulatory System - - - -	4297	4418	4217	4451	4705	4871	4548	4865	5204	5394	5472	1442	1311	1120	1699

* For comparison of the numbers in 1884 with the corrected averages for the ten years 1874-83, see Table 15.

† In consequence of changes of classification, the deaths from these diseases cannot be given for years prior to 1882.

TABLE 16 (cont.)—Causes of Deaths REGISTERED in London in each of the 10 Years 1874-1883; Averages 1874-1883; and Deaths REGISTERED in 1884 and in each Quarter of 1884.

YEARS - - -	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1884.			
												QUARTER ENDING			
												Mar. 29	June 23	Sept. 27	Jan 3 1885.
CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371* Days.	91 Days.	91 Days.	91 Days.	93 Days.
Croup - - - -	751	722	603	529	600	577	570	695	873	827	751	184	188	126	253
Bronchitis - - -	9583	10601	9231	9607	10879	14212	11138	9874	11003	10011	9211	2921	2067	1159	3064
Pneumonia - - -	4298	4552	4210	4068	4398	5130	4173	4167	4554	4431	4254	1149	1083	698	1324
Pleurisy - - - -	267	271	237	223	247	268	241	240	269	292	261	62	56	60	83
Other Diseases of Respira- tory System - - - }	1964	2068	1937	1880	1906	2141	1841	1792	1695	1511	1484	418	327	273	466
Teething - - - -	713	774	681	695	775	732	660	353	705	768	796	215	247	192	142
Sore Throat, Quinsy† -	-	-	-	-	-	-	-	-	115	113	102	25	28	22	27
Enteritis - - - -	340	379	341	349	370	337	429	442	373	364	336	76	62	131	67
Peritonitis - - - -	365	298	298	307	275	281	299	371	347	336	340	59	83	82	86
Diseases of Liver - -	1468	1564	1607	1555	1589	1461	1513	1514	1829	1496	1555	346	362	434	413
Others, Digestive System-	1277	1235	1279	1317	1290	1339	1342	1377	1424	1500	1662	404	391	443	424
Diseases of Lymphatic System and Ductless Glands† - - - - }	-	-	-	-	-	-	-	-	78	100	105	32	27	21	25
Diseases of Urinary System	1471	1524	1475	1509	1578	1604	1600	1677	1732	1985	1878	474	428	411	565
Diseases of Generative System - - - - }	298	297	270	297	289	278	229	277	317	293	315	84	88	59	84
Accidents of Childbirth -	335	324	354	289	255	245	253	228	225	180	193	48	40	50	55
Diseases of Locomotive System† - - - - }	-	-	-	-	-	-	-	-	433	393	381	89	93	91	108
Diseases of Integumentary System† - - - - }	-	-	-	-	-	-	-	-	245	253	279	63	72	63	81
(ACCIDENT.) ‡															
Fractures and Contusions -	964	1004	1020	957	965	963	897	1030	1034	1076	1065	252	258	287	288
Wounds { Gunshot - - -	7	2	3	5	7	8	7	8	3	2	7	2	-	4	1
{ Cut, Stab - - -	46	41	32	19	20	19	21	19	25	14	27	5	8	6	8
Burns and Scalds - - - -	274	270	240	247	267	318	238	275	249	280	288	102	59	54	73
Poison - - - - -	58	46	76	67	69	67	58	77	71	79	60	19	15	13	20
Drowning - - - - -	324	375	343	316	369	311	328	337	351	360	305	65	73	115	47
Suffocation - - - - -	540	555	559	548	569	690	605	646	643	626	601	198	143	95	165
Otherwise - - - - -	202	189	211	158	150	154	128	184	126	115	165	29	33	59	44
Battle - - - - -	-	-	-	-	-	-	-	-	2†	-	1	1	-	-	-
(HOMICIDE.) ‡															
Murder and Manslaughter	97	70	96	78	78	88	89	87	83	75	70	22	17	16	15
(SUICIDE.) ‡															
Wounds { Gunshot - - -	21	11	17	20	30	28	25	28	29	39	42	18	10	12	7
{ Cut, Stab - - -	58	77	66	55	59	77	69	83	61	61	80	21	20	22	17
Poison - - - - -	28	44	37	49	64	70	74	70	62	81	70	15	19	21	15
Drowning - - - - -	69	67	63	44	39	64	67	59	64	61	71	17	13	23	18
Hanging - - - - -	64	81	67	81	74	100	85	83	69	95	71	11	22	23	15
Otherwise - - - - -	25	28	23	24	29	33	32	39	27	31	33	11	10	6	6
(EXECUTION.)															
Hanging - - - - -	3	2	7	4	1	3	4	-	2	2	2	-	-	-	2
ALL OTHER CAUSES - -	-	-	-	-	-	-	-	-	3458	3438	3500	752	660	1217	871

* For comparison of the numbers in 1884 with the corrected averages for the ten years 1874-83, see Table 15.

† In consequence of changes of classification, the deaths from these diseases cannot be given for years prior to 1882.

‡ The evidence at inquests is often insufficient to enable the coroner to certify whether a violent death resulted from accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 17.—Deaths REGISTERED in the London Registration Districts, and the Mean Temperature in each of the 11 Years 1874-1884.

REGISTRATION DISTRICTS.	AREA in Acres.*	DENSITY, Persons to an Acre, 1881.	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884
Mean Temperature - - -	—	—	49°·4	49°·4	50°·1	49°·7	49°·6	46°·2	49°·4	48°·8	49°·7	49°·4	50°·7
LONDON - - -	78,052	49	76,813	81,964	77,671	77,449	84,188	83,805	81,832	81,346	82,913	80,995	83,056
1 KENSINGTON - - -	3441	79	4677	4808	4885	4473	5080	4978	4755	4689	5020	5004	5083
2 FULHAM - - - -	4209	27	1660	1875	1964	1771	2358	2219	2231	2472	2500	2618	2733
3 CHELSEA - - - -	861	102	1802	1923	1753	1746	1920	2108	2008	1946	2057	2096	2093
4 ST. GEO. HANOVER SQ. -	2051	73	3310	3759	3370	3163	3340	3315	3163	3122	3086	3074	3063
5 WESTMINSTER - - -	216	216	1004	1079	971	873	1098	979	985	981	880	775	851
6 MARYLEBONE - - - -	1506	103	3384	3991	3627	3511	3654	3850	3498	3326	3115	2993	2832
7 HAMPSTEAD - - - -	2248	20	563	652	693	901	873	626	580	619	666	660	833
8 PANCRA8 - - - -	2672	88	5057	5434	5193	5122	5365	5486	5333	5225	5077	4988	5264
9 ISLINGTON - - - -	3107	91	4816	4933	4969	5111	5376	5456	5716	5617	5643	5561	5597
10 HACKNEY - - - -	3935	47	3009	3145	3107	3350	3696	3440	3545	3990	3683	3756	4023
11 ST. GILES - - - -	245	185	1213	1217	1111	1095	1101	1095	1135	1019	1011	1009	1046
12 STRAND - - - -	433	78	1061	1097	999	973	1073	1123	961	912	935	913	986
13 HOLBORN - - - -	816	186	3925	3963	3651	3633	3680	3739	3209	3106	3187	2989	3071
14 LONDON CITY - - -	731	70	1906	1885	1639	1883	1561	1591	1417	1469	1450	1443	1393
15 SHOREDITCH - - - -	648	195	2969	3296	2825	2877	3133	3074	2959	3001	3247	3023	2909
16 BETHNAL GREEN - - -	755	168	3063	3114	2832	2904	2957	2949	2910	3064	3088	3082	2884
17 WHITECHAPEL - - - -	405	176	2637	2483	2361	2511	2445	2443	2245	2261	2244	2257	2218
18 ST. GEO.-IN-THE-EAST -	244	193	1292	1191	1151	1224	1152	1409	1212	1333	1197	1248	1196
19 STEPNEY - - - -	569	103	1245	1344	1264	1299	1334	1402	1325	1279	1355	1396	1331
20 MILE END OLD TOWN -	679	156	2104	2137	2223	2199	2237	2484	2346	2253	2386	2263	2233
21 POPLAR - - - -	2643	59	3435	3430	3377	3474	3679	3672	3797	3534	3979	3734	3768
22 ST. SAVIOUR SOUTHWARK -	1170	167	4252	4689	4071	4336	4765	4728	4599	4270	4754	4366	4704
23 ST. OLAVE SOUTHWARK -	1728	78	3198	3825	3408	3275	3810	3712	3364	3346	3514	3310	3413
24 LAMBETH - - - -	4060	62	4851	5647	5197	5534	5801	5669	5750	5406	5687	5402	5537
25 WANDSWORTH - - - -	11707	18	2796	3112	3163	3004	3306	3423	3327	3660	3345	4106	4206
26 CAMBERWELL - - - -	4450	42	2487	3024	2757	2711	3337	3454	3546	3491	3777	3428	3901
27 GREENWICH - - - -	3801	35	2212	2539	2433	2333	2869	2841	2956	3458	3023	2925	3246
28 LEWISHAM - - - -	11486	6	899	965	973	920	1064	985	1064	1051	1074	1054	1123
29 WOOLWICH - - - -	7231	11	1476	1507	1699	1343	2132	1550	1584	1401	1380	1338	1463

NOTE. — This Table is compiled from the Abstracts which appear in the Registrar General's Annual Reports, excepting for the year 1884, for which the numbers are derived from the Weekly Returns embracing 53 weeks.

* These areas have been supplied to the Registrar General by the Ordnance Survey Department, and include 2718 acres of tidal water, or of the river Thames. For area of Greater London see Table 8.

TABLE 13.—LONDON.—Births and Deaths; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards, from ALL CAUSES; DEATHS from the principal ZYMOTIC DISEASES and from VIOLENCE, INQUEST CASES, DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS, in GROUPS of DISTRICTS, and in each REGISTRATION DISTRICT during the 53 Weeks ending Saturday, 3rd January 1885.

REGISTRATION DISTRICTS.	Enumerated Population, 1881.	Total Births in 53 Weeks.	Total Deaths in 53 Weeks.	The DEATHS registered in the 53 Weeks include																		
				Deaths of			Deaths from															
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Cholera.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified.			
LONDON	3816483	137495	83050	21369	17057	913	2285	1444	973	3188	31	936	78	3781	163	2958	5753	17045	1050			
WEST DISTRICTS	669633	20900	13323	3207	3266	74	413	87	171	401	3	117	19	572	35	470	969	3419	103			
NORTH DISTRICTS	905947	30534	18589	4597	4050	522	362	336	270	778	9	301	12	796	43	591	1329	3905	23			
CENTRAL DISTRICTS	282238	8851	6446	1518	1095	17	160	65	92	246	1	71	8	281	7	337	675	1564	31			
EAST DISTRICTS	692738	27441	16531	4485	3223	96	207	486	101	662	7	184	15	815	21	735	1421	3900	185			
SOUTH DISTRICTS	1265927	49269	27661	7562	5423	204	1143	470	339	1101	11	283	24	1317	57	825	1389	4248	705			
WEST DISTRICTS.																						
KENSINGTON	270349	7393	5083	1132	1422	5	64	31	50	133	-	41	7	179	10	163	343	1377	11			
FULHAM	114839	5392	2733	826	490	64	96	24	28	116	-	17	5	176	13	95	231	340	15			
CHELSEA	88128	3360	2093	494	406	2	118	6	26	46	-	19	2	89	9	47	146	508	8			
ST. GEO. HANOVER SQ.	149748	3654	3063	553	734	2	103	14	57	87	1	33	2	93	2	150	213	1010	53			
WESTMINSTER	46549	1101	851	200	205	1	32	12	10	19	2	7	3	35	1	15	36	184	16			
NORTH DISTRICTS.																						
MARYLEBONE	154910	4830	2852	715	638	1	83	15	25	111	-	28	1	124	4	80	197	433	7			
HAMPSTEAD	45452	1271	853	182	183	105	4	30	19	27	2	20	-	26	2	28	47	230	-			
PANCRAS	236258	7905	5264	1239	1212	10	89	36	57	206	1	55	1	207	11	235	478	1482	9			
ISLINGTON	282865	10011	5597	1508	1202	92	126	73	124	269	3	82	7	258	12	143	381	862	4			
HACKNEY	186462	6527	4023	953	815	314	60	182	45	165	3	116	3	161	14	105	226	898	6			
CENTRAL DISTRICTS.																						
ST. GILES	45382	1534	1040	256	242	4	37	10	10	45	-	14	1	51	-	26	91	221	4			
STRAND	33582	786	936	161	120	1	21	9	7	26	-	10	-	31	-	66	123	394	8			
HOLBORN	151833	5606	3071	937	451	11	94	35	40	140	1	22	5	165	5	94	256	284	16			
LONDON CITY	51439	925	1393	164	232	1	8	11	35	26	-	25	2	34	2	151	205	685	3			
EAST DISTRICTS.																						
SHOREDITCH	126591	4983	2909	808	693	15	46	68	15	166	4	27	2	141	2	95	174	682	17			
BETHNAL GREEN	126961	5476	2834	862	499	21	36	84	13	150	2	33	2	184	8	81	205	512	16			
WHITECHAPEL	71363	2493	2218	421	382	4	28	38	17	49	-	27	1	109	3	193	290	1113	15			
ST. GEO. IN-THE-EAST	47157	2012	1198	346	254	5	26	24	3	32	1	6	-	73	-	37	96	291	28			
STEPNEY	58543	2229	1331	404	158	5	11	64	14	58	-	13	3	74	1	64	107	225	28			
MILE END OLD TOWN	105613	4258	2223	644	493	24	25	87	16	79	-	23	1	119	3	58	135	281	62			
POPLAR	156510	6491	3768	1000	749	22	35	121	23	128	-	36	6	165	4	207	414	805	19			
SOUTH DISTRICTS.																						
ST. SAVIOUR SOUTHWARK	193164	7586	4704	1317	868	11	277	63	47	249	2	37	7	228	3	111	228	695	106			
ST. OLAVE SOUTHWARK	134632	5321	3413	893	606	8	138	67	36	138	2	25	2	165	7	203	314	820	58			
LAMBETH	253899	9496	5637	1470	1126	55	275	104	88	209	4	68	5	242	9	171	270	1071	135			
WANDSWORTH	210434	8975	4266	1317	820	9	182	47	43	155	1	50	7	217	20	115	179	387	80			
CAMBERWELL	186593	7292	3901	1076	783	9	163	71	61	182	-	38	1	225	12	56	114	373	101			
GREENWICH	131233	5236	3245	835	606	109	63	94	31	97	2	43	2	139	4	87	148	631	161			
LEWISHAM	73327	2415	1132	276	296	1	83	9	19	47	-	14	-	89	1	37	38	74	19			
WOOLWICH	80845	2945	1463	378	318	2	7	15	12	24	-	8	-	62	1	45	68	197	45			

TABLE 19.—LONDON.—TOTAL Births and Deaths; DEATHS of INFANTS under 1 Year of Age, and of PER aged 60 Years and upwards from ALL CAUSES; DEATHS from the principal ZYMOTIC DISEASES, and VIOLENCE; INQUEST CASES, DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS; registered in REGISTRATION SUB-DISTRICT during the 53 Weeks ending Saturday, 3rd January 1885.

REGISTRATION SUB-DISTRICTS.	Enumerated Population, 1881.	Total Births in 53 Weeks.	Total Deaths in 53 Weeks.	The DEATHS registered in the 53 Weeks include																	Inquest Cases.	Deaths in Public Institutions.	
				Deaths of		Deaths from																	
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Cholera.	Violence.							
WEST DISTRICTS.																							
St. Mary Paddington WWH	69888	2369	1358	358	383	-	24	17	13	43	-	9	2	60	4	44	90	230					
St. John Paddington H	37390	628	646	84	174	-	7	4	22	6	-	12	-	3	1	60	74	263					
Kensington Town Ww	120141	3495	2448	575	712	3	24	7	71	-	13	4	99	6	47	152	781						
Brompton H	43010	901	631	115	153	2	9	1	8	18	-	7	1	17	-	12	27	163					
St. Peter Hammersmith	7599	240	129	32	37	-	1	1	3	4	-	-	-	4	1	2	5	-					
St. Paul Hammersmith H	64340	2698	1265	383	251	-	19	7	14	67	-	12	8	84	9	66	126	98					
Fulham WwH	42900	2454	1339	411	211	64	76	16	11	45	-	5	2	88	3	27	100	242					
Chelsea South HHH	30896	953	569	142	118	1	25	2	12	13	-	6	2	32	2	24	62	43					
Chelsea Nth.-west WHHHH	24925	1010	868	130	185	1	45	2	6	8	-	3	-	25	-	9	32	465					
Chelsea North-east	32907	1397	656	222	103	-	48	2	8	25	-	10	-	32	7	14	52	-					
Hanover Square H	16862	283	222	39	75	-	7	-	3	6	-	2	-	7	-	6	7	-					
Mayfair WW	13491	209	428	34	209	-	4	2	-	-	-	1	-	3	-	10	13	345					
Belgrave HH	59220	1441	1293	196	259	2	29	5	22	34	1	19	1	29	-	30	112	424					
St. John Westminster HH	35496	1199	672	203	113	-	41	1	6	32	-	6	-	37	-	14	39	26					
St. Margaret Westminster H	24679	522	518	93	78	-	22	6	26	12	-	5	1	12	2	30	42	215					
St. James WHH*	29941	654	501	109	167	-	23	5	2	10	1	2	1	18	-	11	25	107					
St. Anne Soho HHHHH	16608	447	350	91	38	1	9	7	8	9	1	5	2	17	1	4	11	77					
NORTH DISTRICTS.																							
All Souls (Mylobo.) HHHHH	26759	673	716	115	146	1	15	2	8	29	-	16	-	15	-	25	58	304					
Cavendish Square HH	14891	273	182	35	45	-	8	-	2	2	-	-	-	8	2	6	8	3					
Rectory (Marylebone) WH	24809	750	493	124	104	-	15	6	-	16	-	3	-	20	-	14	38	87					
St. Mary (Marylebone) HHH	21118	1266	369	108	92	-	13	8	1	17	-	3	-	12	-	7	21	32					
Christchurch (Marylebone) H	38700	951	576	194	115	-	24	3	4	23	-	2	-	45	1	16	48	24					
St. John (Marylebone) H	33633	907	516	139	136	-	13	1	10	24	-	4	1	29	1	12	24	5					
Hampstead WwHHH	45452	1271	853	182	183	105	4	30	19	27	2	20	-	26	2	28	47	230					
Regent's Park H	39115	1159	640	173	135	1	5	12	7	24	-	4	-	23	1	25	65	7					
Tottenham Court wHHH	27729	755	1005	188	181	-	18	4	20	30	-	12	-	34	-	52	69	595					
Gray's Inn Lane LHH	30247	972	670	165	117	1	20	6	4	28	-	11	1	25	2	51	90	164					
Somers Town H	34359	1179	632	199	100	2	17	8	9	35	-	11	-	37	2	24	60	39					
Camden Town WH	17311	763	731	137	348	-	7	2	3	16	-	5	-	18	-	37	58	482					
Kentish Town W	37487	3087	1886	417	331	6	22	9	14	73	1	12	-	65	6	46	106	201					
Upper Holloway WWwH*	67946	2684	2003	460	500	78	5	6	86	66	-	11	2	74	2	35	90	774					
Tottenham Court wHHH	27729	755	1005	188	181	-	18	4	20	30	-	12	-	34	-	52	69	595					
Gray's Inn Lane LHH	30247	972	670	165	117	1	20	6	4	28	-	11	1	25	2	51	90	164					
Somers Town H	34359	1179	632	199	100	2	17	8	9	35	-	11	-	37	2	24	60	39					
Camden Town WH	17311	763	731	137	348	-	7	2	3	16	-	5	-	18	-	37	58	482					
Kentish Town W	37487	3087	1886	417	331	6	22	9	14	73	1	12	-	65	6	46	106	201					
Upper Holloway WWwH*	67946	2684	2003	460	500	78	5	6	86	66	-	11	2	74	2	35	90	774					
Islington South-west HH†	100976	3734	1886	567	296	7	70	47	22	105	3	51	1	106	1	71	167	74					
Islington South-east†	61895	2018	962	271	217	5	42	13	10	46	-	9	-	41	1	21	74	-					
Highbury H†	52048	1375	746	210	189	2	9	7	6	62	-	11	4	38	8	16	50	14					
Stoke Newington H	22781	779	345	82	91	1	11	3	5	7	-	7	2	22	-	10	22	1					
Stamford Hill	9277	421	168	55	28	-	1	-	2	14	-	-	-	10	-	6	11	-					
West Hackney	37610	1265	629	169	146	4	8	5	14	25	1	12	-	37	1	19	34	-					
Hackney WwvHLL	76911	2690	2211	446	437	301	28	148	19	87	2	84	-	71	10	50	102	897					
South Hackney	39883	1372	670	201	113	8	17	26	5	32	-	12	1	41	3	20	57	-					
CENTRAL DISTRICTS.																							
St. George Bloomsbury	16681	391	247	58	59	2	11	2	4	8	-	4	1	12	-	6	14	-					
St. Giles South WH	14864	758	538	114	144	1	10	8	3	20	-	7	-	22	-	9	46	221					
St. Giles North	13837	385	261	84	39	1	16	5	3	17	-	7	-	17	-	11	31	-					
St. Martin-in-the-Fields HH	17508	401	468	75	75	-	8	1	4	13	-	7	-	15	-	41	72	178					
St. Mary-le-Strand H	7515	165	125	34	17	1	2	2	1	3	-	-	-	8	-	8	16	7					
St. Clement Dances H	8559	220	343	52	28	-	11	6	2	10	-	3	-	8	-	17	35	209					
St. Geo. the Martyr HHHHHH	18671	531	482	95	60	-	13	11	20	19	-	9	2	16	1	10	23	170					
St. Andrew Eastern W	10706	279	228	58	44	-	10	-	3	6	-	10	-	6	1	5	18	47					
Saffron Hill H	6583	204	181	36	23	1	8	5	2	5	-	-	1	4	-	9	19	-					
St. James Clerkenwell	17616	635	312	90	46	1	8	6	-	13	-	2	-	17	1	8	26	-					
Amwell	19281	644	350	122	47	2	10	3	5	19	-	1	-	21	1	14	43	-					
Pentonville	14773	296	99	40	32	21	3	2	13	18	1	8	-	16	-	7	23	-					
Goswell Street	17506	639	343	105	70	1	9	3	5	18	-	-	-	20	1	9	20	-					
Old Street H	11541	493	223	75	34	-	6	-	1	16	-	2	1	9	-	5	13	8					
City Road HHL	18628	1036	377	144	43	3	7	1	1	17	-	3	1	37	-	18	29	44					
Whitecross Street	9217	427	200	69	24	1	5	-	8	8	-	1	-	11	-	10	20	-					
Finbury	7463	188	127	44	20	-	2	3	1	9	-	-	-	8	-	4	13	-					
St. Botolph H	11174	278	194	43	59	-	5	3	1	7	-	3	1	13	1	12	16	2					
Cripplegate	7193	161	106	32	34	-	-	-	-	2	-	1	-	7	-	2	7	-					
St. Sepulchre H	5383	110	743	38	85	-	-	4	32	7	-	20	-	5	-	110	134	675					
St. Bride W	8396	154	127	25	34	-	2	2	2	5	-	-	-	2	-	8	16	7					
Allhallows Barking	13666	150	169	18	50	1	1	1	-	4	-	1	1	4	1	16	27	-					
Broad Street H	3652	72	54	8	20	-	-	-	1	-	-	-	-	3	-	3	5	-					

NOTE.—The letters placed against the names of the sub-districts denote Public Institutions situated therein, namely:—*W*—Workhouse; *w*—Workhouse Establishment receiving inmates from other Districts than that in which it stands (see note at the foot of next page); *H*—Hospital; *L*—Lunatic Asylum. Deaths in Prisons and Military Asylums are not included.

* Prior to the 1st April 1884 the parish of St. James Westminster was comprised in two registration sub-districts, viz., Golden Square and Berwick Street.
† On the 1st January the district of Islington, which had previously consisted of two sub-districts, was divided into four, namely, Upper Holloway, Islington South-west, Islington South-east, and Highbury.

TABLE 19 (continued). LONDON.—TOTAL Births and Deaths; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards from ALL CAUSES; DEATHS from the principal ZYMOTIC DISEASES, and from VIOLENCE; INQUEST CASES, DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS; registered in each REGISTRATION SUB-DISTRICT during the 53 Weeks ending Saturday, 3rd January 1885.

REGISTRATION SUB-DISTRICTS.		Enumerated Population, 1881.	Total Births in Weeks.	Total Deaths in Weeks.	The DEATHS registered in the 52 Weeks include																Inquest Cases.	Deaths in Public Institutions.	Uncertified.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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					Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhus Fever.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Cholera.	Violence.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by w:

Central London Sick Asylum in Tottenham-court sub-district.	London City Workhouse in Mile End Old Town Eastern sub-dist. and
Holborn Infirmary in Upper Holbway sub-district.	Bromley sub-district.
London City Workhouse in Hackney sub-district.	Stepney
Holborn " " Hoxton New Town sub-district.	Poplar & Stepney Sick Asylum
Whitechapel " " Mile End Old Town Eastern sub-dist.	Bromley sub-district.
	Westminster Union Industrial School in West Battersea sub-district.
	Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul Deptford sub-districts.

Prior to the 1st January 1884 that division of the parish of Whitechapel now comprised in the Whitechapel Church sub-district formed two sub-districts, viz., Whitechapel North and Whitechapel Church. Prior to the 1st April 1884 that division of the parish of St. George-in-the-East which is now comprised in the St. George's North sub-district formed two sub-districts, viz., St. Mary and St. Paul.

TABLE 20.—LONDON—OUTER RING.—POPULATION, BIRTHS, DEATHS from ALL CAUSES and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE; INQUEST CASES DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS; registered in each REGISTRATION SUB-DISTRICT during the 53 Weeks ending Saturday, 3rd January 1885.

District and Sub-district Numbers.		REGISTRATION SUB-DISTRICTS.	Area in Acres, including Tidal Water and Fore-shore.	Enumerated Population, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the 53 Weeks include																Deaths in Public Institutions.	Uncertified Causes of Death.
							Deaths of		Deaths from										Inquest Cases.					
									Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Cholera.		Violence.				
LONDON—OUTER RING		370,282	950,178	38,126	19,089	5280	4441	347	323	202	296	615	196	968	43	551	938	2302	3					
30:1	Carshalton <i>wL</i> - -	12228	21118	563	483	57	136	-	6	1	7	11	2	6	-	10	10	236						
2	Epsom (<i>part of</i>) * <i>WH</i>	9971	10710	313	209	40	74	2	-	1	1	8	1	6	-	7	9	66						
37:1	Godstone (<i>part of</i>) * -	2754	1235	54	13	2	5	-	-	-	-	-	2	-	-	-	1	-						
38:1	Croydon <i>WwH</i> - -	20851	101241	3388	1819	444	484	13	23	19	13	69	16	72	4	44	81	343	1					
2	Mitcham <i>wH</i> - -	11697	17932	594	324	93	72	-	15	2	2	19	2	15	1	9	20	6						
39:1	Wimbledon <i>HHH</i> - -	3220	15950	674	265	84	50	-	1	3	2	11	4	17	-	6	12	12						
2	Kingston <i>WHH</i> - -	8549	38354	1181	662	149	195	-	17	8	15	13	1	22	1	21	29	98						
3	Esher (<i>part of</i>) * - -	6601	9221	305	139	42	45	-	1	1	7	2	-	4	-	9	12	-						
4	Hampton <i>H</i> - -	4573	13339	436	215	58	52	-	3	2	3	7	-	10	-	10	10	2						
40:1	Richmond <i>WH</i> - -	2272	21302	671	450	109	134	-	8	2	2	21	11	18	-	20	22	83						
2	Mortlake - -	2941	12331	488	232	67	52	-	4	-	5	10	3	17	1	18	15	-						
41:1	Bromley (<i>part of</i>) * <i>HH</i>	15660	31142	1168	510	160	107	-	20	12	3	14	7	17	-	20	22	15	1					
2	Chislehurst (<i>part of</i>) * <i>W</i>	13665	15065	531	303	61	108	-	2	4	6	9	1	12	-	11	12	59						
42:1	Bexley <i>H</i> - -	13437	24134	821	400	93	107	-	17	3	5	3	6	23	-	15	22	5	1					
124:1	Sunbury <i>w</i> - -	11055	11685	329	156	31	52	1	1	1	-	1	3	7	-	6	11	8						
2	Staines <i>W</i> - -	13277	12039	421	208	38	76	2	-	3	7	2	3	8	-	5	14	33						
125:1	Hillingdon <i>WH</i> - -	6029	10802	372	242	60	85	-	-	1	1	5	-	8	1	6	19	43						
2	Uxbridge - -	6178	5225	170	67	16	22	-	-	-	-	3	-	-	-	1	2	-						
3	Hayes <i>wHL</i> - -	14587	11523	308	283	45	86	-	1	-	1	6	-	10	-	15	22	125						
126:1	Isleworth <i>W</i> - -	7008	22727	793	487	97	162	4	-	7	6	9	1	13	-	13	31	110						
2	Twickenham - -	2477	12479	410	189	54	56	-	-	1	2	1	1	5	-	6	11	-						
3	Brentford <i>HL</i> - -	4345	27649	993	463	138	120	1	6	-	-	11	2	22	-	14	26	6						
4	Chiswick - -	1340	15975	724	296	112	52	-	4	-	1	23	4	17	-	18	22	-						
5	Acton <i>wH</i> - -	6083	22876	920	412	146	94	1	5	2	9	18	5	23	-	16	32	5						
127:1	Harrow <i>HH</i> - -	13809	12796	407	175	40	43	-	-	-	9	1	1	3	1	9	18	3						
2	Edgware <i>H</i> - -	6994	3749	104	63	17	21	-	-	-	-	3	1	2	-	2	4	-						
3	Willesden - -	4383	27453	1236	551	203	88	2	4	6	7	20	6	53	4	15	41	-						
4	Hendon <i>W</i> - -	8382	10484	445	269	75	73	-	5	2	7	17	2	18	-	4	16	55						
128:1	South Mimms - -	15599	6391	168	122	27	36	-	3	-	7	4	2	3	-	10	10	-						
2	Barnet <i>W</i> - -	5433	10092	296	173	40	61	-	-	1	11	2	1	5	1	5	8	31						
3	Finchley <i>L</i> - -	4688	17615	618	413	62	79	-	-	4	5	4	2	11	-	8	19	190						
129:1	Hornsey <i>H</i> - -	3039	37073	1326	560	163	122	4	8	8	14	31	3	30	3	13	31	7						
2	Tottenham <i>H</i> - -	4642	46456	2658	1170	342	221	7	28	8	48	76	26	47	1	28	67	25						
3	Edmonton <i>WwvH</i> - -	7483	23463	1010	675	156	217	21	23	1	13	12	8	28	1	19	31	252						
4	Enfield <i>WH</i> - -	12653	19104	785	336	104	84	1	7	-	-	2	3	24	-	12	19	7						
5	Waltham Abbey - -	11017	5363	189	91	19	28	-	-	-	2	-	-	4	-	2	2	-						
6	Cheshunt - -	8480	7735	236	144	37	46	-	-	3	3	1	2	4	-	8	9	-						
135:1	Hatfield (<i>part of</i>) * -	3306	583	14	13	4	5	-	-	-	-	1	-	-	-	-	-	-						
137:1	Bushey - -	9331	6621	233	119	40	25	-	4	1	3	7	1	5	-	9	9	-						
138:1	Stratford - -	882	38603	1823	792	275	112	6	16	14	4	30	14	62	2	15	28	-	1					
2	West Ham <i>wvwwH</i> - -	7351	101053	5589	2571	923	274	270	28	38	34	86	30	197	20	56	87	192	8					
3	Leyton <i>Ww</i> - -	4372	32430	1506	887	202	266	7	34	11	12	7	5	28	1	11	18	277	1					
4	Walthamstow <i>H</i> - -	6520	28869	1519	590	204	106	2	11	18	6	23	5	47	1	15	29	6	2					
137:1	Chigwell (<i>part of</i>) * <i>H</i>	11761	9639	329	151	42	42	-	3	1	1	7	2	7	-	8	7	2						
139:1	Romford (<i>part of</i>) * -	6730	3411	142	66	18	12	-	-	-	11	3	2	2	-	1	1	-						
2	Ilford - -	8493	7645	312	150	45	23	-	10	5	-	1	5	11	-	3	9	-						
3	Barking Town - -	4127	9203	404	181	53	31	3	9	8	1	2	-	26	-	8	8	-						

* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30:2, the whole of Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the two parishes of Warlingham and Farley in Godstone sub-district; 39:3, the whole of Esher sub-district, except the parish of Esher (pop. 1933); 41:1, the whole of Bromley sub-district except the two parishes of Cudham and Knockholt (pop. 1818); 41:2, the whole of Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, only the parish of Northaw in Hatfield sub-district; 137:1, the whole of Chigwell sub-district, except the parish of Theydon-Boshy (pop. 875); 139:1, only the parish of Dagenham in Romford sub-district.

TABLE 21.—Deaths in London; and Meteorology at Greenwich Observatory. (a)

YEARS.	Total Number of Deaths.	Mean Temperature of Air.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly Amount of Horizontal Movement of the Air by Robinson's Anemometer.†
Averages of 40 Years, 1841-1880.	66,484	49°3	5°6	24°7	Miles. 18°3
Averages of 10 Years, 1841-1850.	52,206	49°4	5°2	24°5	—
Averages of 10 Years, 1851-1860.	61,023	49°0	5°7	24°4	10°0
Averages of 10 Years, 1861-1870.	73,632	49°6	5°9	23°0	10°8
Averages of 10 Years, 1871-1880.	79,075	49°2	5°5	26°4	11°6
1841	45284	48°7	5°0	33°3	—
1842	45272	49°6	4°6	22°6	—
1843	48574	49°4	3°7	24°6	—
1844	50423	48°6	4°9	24°9	—
1845	48332	47°6	4°4	22°4	—
1846	49089	51°3	5°1	25°3	—
1847	60442	49°5	5°4	17°8	—
1848	57628	50°4	6°4	30°2	—
1849	68432	50°0	6°6	23°9	—
1850	48579	49°3	6°1	19°7	11°0
1851	55354	49°2	6°5	21°6	10°3
1852	54213	50°6	7°4	34°2	10°6
1853	61202	47°7	6°2	29°0	9°5
1854	73697	45°0	4°7	18°7	10°3
1855	61506	47°1	4°5	21°1	9°9
1856	56786	49°0	5°6	22°2	10°6
1857	60150	51°0	5°2	21°4	9°3
1858	63882	49°2	6°5	17°8	9°7
1859	61617	50°7	6°0	25°9	9°5
1860	61821	47°0	4°6	32°0	10°0
1861	65001	49°4	5°0	20°8	9°9
1862	66950	49°5	4°7	26°2	10°0
1863	72346	50°3	6°0	20°0	10°3
1864	77723	48°5	7°0	16°7	9°5
1865	73460	50°3	6°2	29°0	9°3
1866	80129	49°8	5°6	30°5	11°4
1867	70588	48°6	5°6	28°4	11°8
1868	74908	51°6	6°8	25°2	12°2
1869	77933	49°5	5°7	24°0	12°2
1870	77278	48°7	6°7	18°5	11°1
1871	80332	48°7	6°0	22°3	10°5
1872	70893	50°7	5°5	30°0	11°9
1873	76634	48°9	5°4	23°4	11°8
1874	78606	49°4	4°7	20°0	11°5
1875	81513	49°4	5°9	27°3	11°5.
1876	77411	50°1	6°4	23°9	12°1
1877	77002	49°7	6°6	26°8	13°0
1878	83695	49°6	5°8	29°2	11°1
1879	85540	46°2	4°0	31°3	11°3
1880	81128	49°4	5°0	29°7	11°7
1881	81071	48°8	5°7	25°2	12°1
1882	82905	49°7	5°0	25°1	12°8
1883	80578	49°4	5°8	21°9	12°1
1884	83650	50°7	6°3	18°1	11°9

NOTE.—This Table does not include the deaths in Wandsworth and Clapham for the years 1841-3; nor the deaths in Hampstead and Lewisham for 1841-6.

(a) The deaths in this Table as well as the Meteorology are compiled from the Registrar General's Weekly Returns, which embrace 364 days (for eight years 1847, 1853, 1857, 1863, 1868, 1873, 1879, and 1884, 371 days); for this reason the figures differ from those which relate to complete years from 1st January to 31st December, published in Table 17.

* The column headed "Dryness of Atmosphere" shows the difference between the dew point temperature and air temperature. The mean dew point temperature, for any year, may be obtained by subtracting the number in the column, headed "dryness" from the mean temperature in the same period.

† For the years 1850-59 the results are only approximative, having been reduced to Robinson's anemometer from observations made with Whewell's.

‡ Average of 30 years.

TABLE 22.—Deaths Registered in the Public Institutions of London, 1874-1884.

	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.
TOTAL DEATHS IN PUBLIC INSTITUTIONS	13359	13946	14073	14936	15502	15999	14730	16965	15792	16707	17143
WORKHOUSES (including the Metropolitan Asylum Hospitals)	7619	8015	8174	9134	9606	9946	9059	10692	9375	9968	10109
PRISONS	70	77	69	62	46	57	59	50	38	45	45
MILITARY AND NAVAL ASYLUMS	81	96	79	69	75	88	64	68	51	55	53
GENERAL HOSPITALS	4310	4420	4442	4318	4549	4651	4435	4880	5144	5304	5537
HOSPITALS FOR SPECIAL DISEASES—	392	436	483	612	531	497	472	574	476	594	728
LYING-IN HOSPITALS—	18	20	33	34	9	21	18	22	23	21	17
Women	62	49	68	43	23	46	44	49	54	84	49
Children	206	238	184	203	192	211	184	202	186	207	183
MILITARY AND NAVAL HOSPITALS	115	122	100	113	138	143	127	135	170	148	137
HOSPITALS FOR FOREIGNERS	486	473	441	348	333	339	268	293	275	281	285
LUNATIC ASYLUMS											

TABLE 23.—Deaths in 158 Public Institutions, registered

		DEATHS.			PUBLIC INSTITUTIONS.		SUB-DISTRICT in which situated.		DEATHS.			
		TOTAL.	Males.	Females.					TOTAL.	Males.	Females.	
TOTAL DEATHS IN 158 PUBLIC INSTITUTIONS					17143	9858	7285					
50 WORKHOUSES - - - - -					10109	5564	4545	WORKHOUSES—continued.				
11 PRISONS - - - - -					45	39	6	Holborn Infirmary - - - 15; 3. Hoxton New Town - - - 280 140 140				
1 MILITARY ASYLUM - - - - -					53	52	1	Shoreditch (Workhouse and Infirmary) - - - 15; 5. Haggerston - - - 324 187 187				
48 GENERAL HOSPITALS - - - - -					5537	3304	2173	Bethnal Green - - - 16; 2. Green - - - 361 226 138				
27 HOSPITALS FOR SPECIAL DISEASES - - - - -					728	393	335	Whitechapel Infirmary - - - 17; 2. Mile End New Town - - - 298 167				
5 LYING-IN HOSPITALS - - - - - { Women Children					17	-	17	St. George-in-the-East (Workh. and Infirm.) - - - 18; 2. St. John - - - 291 167 12				
5 MILITARY AND NAVAL HOSPITALS - - - - -					49	24	25	Mile End Old Town - - - { 20; 2. Mile End Old Town } Eastern - - - 216 119 9				
4 HOSPITALS FOR FOREIGNERS - - - - -					183	167	16	City of London { part of } { 20; 2. Mile End Old Town } Eastern - - - 64 3 6				
7 LUNATIC ASYLUMS - - - - -					137	102	35	Infirmary { part of } - - - 21; 2. Bromley - - - 149 97 5				
					235	153	132	Poplar and Stepney Sick Asylum - - - 21; 2. Bromley - - - 511 290 22				
								Stepney (Aged and Infirm) 21; 2. Bromley - - - 24 10 1				
								Poplar - - - 21; 3. Poplar - - - 51 36 1				
								Poplar Infirmary (North Street) - - - 21; 3. Poplar - - - 6 5				
PUBLIC INSTITUTIONS.		SUB-DISTRICTS in which situated.										
WORKHOUSES.												
Paddington - - - 1; 1. St. Mary Paddington		193	97	96	St. Saviour's - - - 22; 1. Christch. Southwark. - - - 99 93							
Kensington (Workhouse and Infirmary) - - - 1; 3. Kensington Town - - -		277	145	132	St. Saviour's - - - 22; 4. Borough Road - - - 16 12							
Marylebone Infirmary - - - 1; 3. Kensington Town - - -		454	254	200	St. Saviour's Infirmary - - - 22; 7. St. Peter Walworth - - - 511 268 24							
Fulham - - - 2; 3. Fulham - - -		168	89	79	St. Olave's - - - 23; 1. St. Olave Southwk. - - - 18 5 1							
Metrop. Asylum Hospitals (Western District) - - - 2; 3. Fulham - - -		74	45	29	St. Olave's - - - 23; 3. St. Mary Magdalen - - - 151 76 7							
Chelsea (Workhouse and Infirmary) - - - 3; 2. Chelsea North-west - - -		219	116	103	St. Olave's (Workhouse and Infirmary) - - - 23; 5. Rotherhithe - - - 147 97 5							
St. George's (Workhouse and Infirmary, Fulham Road) - - - 4; 2. Mayfair - - -		344	201	143	Lambeth (Workhouse and Infirmary) - - - 24; 4. Lambeth Church } 2d part - - - 468 256 21							
St. George's (Mount-street) - - - 4; 2. Mayfair - - -		1	1	-	Metrop. Asylum Hospitals (South-Western Dist.) - - - 24; 7. Brixton - - - 133 72 6							
Westminster - - - 5; 1. St. James Westm. - - -		96	53	43	Lambeth (Work. School) - - - 24; 8. Norwood - - - 2 - - -							
					Wandsworth (Work-house and Infirmary) - - - 25; 3. West Battersea - - - 269 152 11							
					Westm. Industrial School 25; 3. West Battersea - - - 1 - - -							
					Camberwell (Workhouse and Infirmary) - - - 26; 2. Camberwell - - - 276 160 11							
					Camberwell (Gordon Rd.) 26; 3. Peckham - - - 18 6 1							
					Metrop. Asylum Hospitals (South-Eastern Dist.) - - - 27; 1. St. Paul Deptford - - - 163 82 8							
					Greenwich (Workhouse and Infirmary) - - - 27; 4. Greenwich East - - - 344 184 16							
					Lewisham - - - 28; 3. Lewisham - - - 69 38 3							
					Woolwich (Workhouse and Infirmary) - - - 29; 5. Plumstead East - - - 157 105							
PRISONS.*												
Marylebone - - - 6; 3. Rectory, Maryleb. - - -		67	31	36	Convict Prison (Worm-wood Scrubbs) - - - 2; 2. St. Paul Hammers. - - - 4 4							
Hampstead - - - 7; 1. Hampstead - - -		47	25	22	Female Convict Prison - - - 2; 3. Fulham - - - 1 - - -							
Metrop. Asylum Hospitals (North-Western Dist.) - - - 7; 1. Hampstead - - -		146	87	59	Millbank Penitentiary - - - 4; 4. St. John Westmr. - - - 5 2							
Central London Sick Asylum - - - 8; 2. Tottenham Court - - -		188	115	73	House of Correction - - - 4; 5. St. Margaret Westmr. - - - 2 - - -							
Paneras - - - 8; 5. Camden Town - - -		447	224	223	City Prison (Holloway) - - - 9; 1. Upper Holloway - - - 1 1							
Paneras Infirm. (Highgate) - - - 8; 6. Kentish Town - - -		201	109	92	Pentonville Model Prison (Males) - - - 9; 2. Islington Sih. West - - - 8 8							
Islington (Workhouse and Infirmary) - - - 9; 1. Upper Holloway - - -		442	205	237	Middlesex House of Detention - - - 13; 4. St. James Clerkuwll. - - - 3 3							
Holborn Infirmary - - - 9; 1. Upper Holloway - - -		265	156	109	Middlesex House of Correction (Males) - - - 13; 5. Amwell (Holborn) - - - 12 12							
Hackney (Workhouse and Infirmary) - - - 10; 4. Hackney - - -		295	164	141	City Prison (Newgate) - - - 14; 3. St. Sepulchre - - - 2 2							
City of London - - - 10; 4. Hackney - - -		18	8	10	Convict Prison (Males) - - - 24; 7. Brixton - - - 1 1							
Metrop. Asylum Hospitals (Eastern District) - - - 10; 4. Hackney - - -		479	244	235	Surrey County Prison - - - 25; 4. Wandsworth - - - 6 6							
MILITARY ASYLUM.												
St. Giles - - - 11; 2. St. Giles South - - -		217	126	91	Royal Military Hospital Chelsea, In-Pensioners } 3; 1. Chelsea South - - - 53 52							
Holborn - - - 13; 2. St. Andrew Eastern - - -		47	33	14								
City of London - - - 14; 4. St. Bride - - -		7	3	4								

NOTE.—The Workhouse Establishments printed in *italics* receive inmates from other Districts than those in which they are situated.

* PRISONS.—The deaths of the children of prisoners are not included.

PUBLIC INSTITUTIONS.		SUB-DISTRICT in which situated.		DEATHS.		
		TOTAL.	Males.	Females.		
GENERAL HOSPITALS.						
For Children - - -	1; 1. St. Mary Paddington	34	16	18		
St. Mary's - - -	1; 2. St. John Paddington	283	152	111		
West London - - -	2; 2. St. Paul Hammersm.	98	63	35		
Victoria (Children)-	3; 1. Chelsea South -	39	23	16		
Cheyne (Children) -	3; 1. Chelsea South -	4	1	3		
St. Raphael's - - -	3; 2. Chelsea North-west	12	12	-		
St. George's - - -	4; 3. Belgrave -	413	259	154		
Belgrave (Children)	4; 3. Belgrave -	11	7	4		
Westminster - - -	4; 5. St. Margaret Westm.	215	119	96		
Home - - -	5; 2. St. Anne, Soho -	1	1	-		
Middlesex - - -	6; 1. All Souls Marylebone	300	169	131		
All Saints Home - -	6; 1. All Souls Marylebone	1	1	-		
Ladies' - - -	6; 2. Cavendish Square -	2	-	2		
Samaritan Free - - -	6; 3. Rectory Marylebone	20	-	20		
St. Peter's Home (Kilburn)	7; 1. Hampstead -	16	-	16		
St. Monica's Home (Kilbn.)	7; 1. Hampstead -	1	-	1		
Hampstead Home - -	7; 1. Hampstead -	2	-	2		
University College -	8; 2. Tottenham Court -	394	240	154		
Home - - -	8; 2. Tottenham Court -	7	3	4		
Medical & Surgical (Home)	8; 2. Tottenham Court -	2	-	2		
oyce Free - - -	8; 3. Gray's Inn Lane -	160	97	63		
temperance - - -	8; 4. Somers Town -	33	20	13		
orth-west London - -	8; 5. Camden Town -	35	21	14		
reat Northern - - -	9; 2. Islington South-West	32	21	11		
Memorial Cottage (Mildmay)	9; 4. Highbury -	14	9	5		
Invalid Asylum - -	10; 1. Stoke Newington -	1	-	1		
aring Cross - - -	12; 1. St. Martin-in-the-Fields -	178	121	57		
ing's College - - -	12; 3. St. Clement Danes -	209	148	61		
ndon Homeopathic - -	13; 1. St. George the Martyr -	36	20	16		
St. John and St. Elizabeth's -	13; 1. St. George the Martyr -	19	2	17		
osp. for Sick Children	13; 1. St. George the Martyr -	109	53	56		
ty Police - - -	14; 1. St. Botolph -	2	2	-		
Bartholomew's - - -	14; 3. St. Sepulchre -	675	439	236		
nvent - - -	15; 2. St. Leonard -	5	-	5		
orth-Eastern (Children)	15; 5. Haggerston -	44	23	21		
ldmay Medical Mission	16; 1. Hackney Road -	23	13	10		
stropolitan Free - -	17; 1. Spitalfields -	20	13	7		
ndon - - -	17; 3. Whitechapel Church -	795	503	292		
St. London (Children) -	19; 1. Shadwell -	225	121	104		
olar - - -	21; 2. Bromley -	64	53	11		
olina (Children) - -	22; 4. Borough Road -	39	16	23		
's - - -	23; 1. St. Olave -	504	330	174		
al Infirmary (Women) and Children -	24; 1. Waterloo 1st part -	42	19	23		
Thomas's - - -	24; 3. Lambeth Church 1st	411	239	172		
ash Home for In-ables -	25; 1. Clapham -	2	1	1		
al Hospital for In-ables -	25; 4. Wandsworth -	15	7	8		
age Hospital - - -	27; 4. Greenwich East -	5	4	1		
ne for Sick Children -	28; 4. Sydenham -	5	3	2		
HOSPITALS FOR SPECIAL DISEASES.						
x (Syphilitic) - - -	1; 1. St. Mary Paddington	3	-	3		
sumption & Disease -	1; 4. Brompton -	163	92	61		
Chest - - -	3; 2. Chelsea North-west	181	98	83		
er - - -	3; 2. Chelsea North-west	88	30	58		
Women - - -	3; 2. Chelsea North-west	12	-	12		
ases of Women and Children -	4; 4. St. John Westm. -	2	-	2		
HOSPITALS FOR SPECIAL DISEASES—continued.						
Diseases of Throat - -	5; 1. S. James Westm. -	11	2	9		
For Women - - -	5; 2. St. Anne Soho -	42	-	42		
Heart disease - - -	5; 2. St. Anne Soho -	5	3	2		
St. Agnes (Consumption)	6; 1. All Souls Marylebone	3	-	3		
West End for Paralysis	6; 2. Cavendish Square -	1	-	1		
Home for Consumptive Females - - -	6; 4. St					

TABLE 24. LONDON.—Weekly Deaths from Small-pox, Measles, Scarlet Fever, Diphtheria
WEEKLY Numbers from Six of these DISEASES during the Forty

	SMALL-POX.				MEASLES.				SCARLET FEVER.				DIPHTHERIA.		
	1881	1882	1883	1884	1881	1882	1883	1884	1881	1882	1883	1884	1881	1882	1883
YEAR -	2371	431	134	913	2533	2329	2420	2285	2108	2004	1989	1444	654	863	951
March Quar.	617	212	52	60	484	545	483	540	425	352	417	390	131	201	207
June „	1018	128	27	293	904	629	795	1024	371	348	325	343	143	215	220
Sept. „	461	53	23	196	584	401	655	419	623	505	546	346	137	218	236
Dec. „	275	38	32	364	561	754	487	293	689	799	701	365	243	229	288
Weeks.															
1 -	33	20	5	6	71	53	50	48	41	44	37	33	11	13	21
2 -	27	21	7	2	54	44	46	47	50	38	31	38	12	14	14
3 -	42	20	3	5	52	49	56	42	44	28	42	34	9	17	13
4 -	52	24	8	2	28	39	33	42	45	28	40	32	8	14	24
5 -	54	13	5	1	39	36	28	30	38	21	45	33	12	18	20
6 -	52	17	2	4	20	41	29	19	28	20	33	34	17	16	14
7 -	55	17	3	2	23	46	20	35	36	24	29	22	10	6	14
8 -	44	8	6	4	22	35	28	42	20	34	36	37	8	13	18
9 -	52	23	7	8	18	42	19	32	27	20	27	22	9	14	13
10 -	58	19	2	1	26	34	29	46	20	28	19	27	9	15	12
11 -	43	8	1	11	44	36	51	61	22	26	20	27	9	13	18
12 -	49	13	3	3	48	46	36	49	28	20	29	26	7	19	14
13 -	56	9	-	11	39	44	58	56	26	21	29	25	10	29	12
14 -	72	14	1	13	63	51	51	60	19	20	15	22	11	21	20
15 -	77	8	2	8	62	49	57	63	28	23	14	20	9	28	20
16 -	84	8	2	11	59	36	46	79	24	16	21	23	10	19	19
17 -	70	16	1	12	60	57	40	95	30	32	17	30	6	14	20
18 -	88	13	2	10	81	54	55	85	32	25	22	38	12	14	16
19 -	69	10	3	19	77	47	60	93	30	26	29	24	16	13	13
20 -	103	9	1	30	66	36	66	82	23	31	29	31	9	12	17
21 -	92	10	1	17	86	46	77	81	33	23	36	25	8	13	14
22 -	82	6	2	36	85	50	67	69	32	37	24	29	9	12	17
23 -	59	10	3	40	64	58	76	85	25	19	31	21	11	18	22
24 -	82	15	3	27	66	32	59	73	36	30	27	33	10	20	15
25 -	88	9	2	41	71	62	65	81	24	36	31	24	14	19	12
26 -	52	-	4	29	64	51	76	78	35	30	29	25	18	12	15
27 -	73	6	1	30	70	33	65	56	41	28	35	26	8	16	12
28 -	49	4	-	21	73	44	70	42	53	26	30	23	7	8	26
29 -	43	4	-	23	67	37	77	55	35	28	32	40	9	13	21
30 -	39	2	6	17	63	40	63	34	46	47	32	28	18	9	13
31 -	38	1	1	11	60	33	68	44	45	38	39	31	4	15	16
32 -	29	4	2	16	48	25	56	40	57	39	59	30	12	19	21
33 -	38	5	2	9	58	41	70	41	51	40	35	19	9	17	9
34 -	36	1	1	21	33	27	53	28	53	36	49	32	16	18	19
35 -	22	7	4	12	35	32	57	22	40	42	40	24	8	18	19
36 -	27	9	1	11	27	29	19	16	48	38	43	18	14	17	14
37 -	26	3	1	9	16	17	24	11	51	29	48	23	6	23	21
38 -	26	-	2	6	17	21	15	18	48	53	55	26	14	17	26
39 -	15	7	2	10	17	22	18	12	55	61	49	26	12	28	19
40 -	13	3	3	9	21	25	11	12	55	71	63	26	12	22	19
41 -	22	4	-	9	33	24	32	9	66	78	57	16	13	26	24
42 -	14	3	-	10	30	45	25	12	48	88	66	27	21	28	28
43 -	24	3	2	15	19	45	22	16	65	67	56	22	25	9	20
44 -	12	-	3	21	29	54	23	22	95	65	61	28	13	13	13
45 -	27	4	2	22	41	57	37	32	49	70	60	32	23	19	22
46 -	13	4	-	35	35	78	47	19	40	68	55	36	15	21	25
47 -	20	2	1	33	50	64	49	14	52	59	41	36	26	16	21
48 -	28	5	5	30	45	76	38	31	50	52	59	27	21	18	28
49 -	22	5	2	37	53	67	44	28	49	45	53	23	25	20	23
50 -	25	-	7	45	72	97	53	23	42	41	40	22	12	13	24
51 -	23	3	2	33	72	66	52	33	35	48	42	26	19	12	19
52 -	32	2	2	32	61	56	54	20	43	47	48	16	18	12	22
53 -	-	-	-	33	-	-	-	22	-	-	-	28	-	-	-

WHOOPIING-COUGH.				FEVER.				DIARRHŒA.				WEEKLY AVERAGE in 45 Years, 1840-84.							YEAR.
1881	1882	1883	1884	1881	1882	1883	1884	1881	1882	1883	1884	Small-pox.	Measles.	Scarlet Fever.	Diphtheria (24 years).	Whooping- cough.	Fever.	Diarrhœa.	
961	4647	1582	3188	1196	1117	1081	1045	2988	2162	2644	3781	19	31	46	10	46	38	49	1881
411	2224	458	1104	185	314	270	241	170	169	192	147	22	29	38	10	63	37	13	March
428	1516	403	1296	160	193	177	223	278	260	294	201	23	34	33	9	54	34	19	June
893	610	341	505	274	197	242	310	2339	1426	1879	3097	14	26	48	10	31	37	140	Sept.
729	297	380	283	577	413	392	271	201	307	279	336	16	35	66	12	35	43	24	Dec.
33	108	31	68	10	24	25	14	17	12	15	8	23	40	49	10	53	39	13	Weeks.
25	116	29	63	16	31	15	20	25	13	12	4	22	36	46	10	54	40	14	1
31	120	36	69	16	20	20	26	12	11	18	10	25	33	46	9	60	38	13	2
43	175	37	80	19	19	20	22	8	23	13	9	23	28	42	9	64	38	13	3
39	194	35	85	9	26	19	16	15	19	7	24	26	38	37	11	66	38	14	4
25	261	42	78	10	18	20	22	10	8	14	10	24	24	37	11	66	37	14	5
35	205	35	83	20	18	30	22	11	11	15	17	23	23	36	10	63	37	14	6
41	185	28	82	12	28	20	12	17	14	12	17	22	25	35	9	63	37	14	7
35	184	42	74	9	21	18	16	13	7	12	15	23	24	34	9	64	36	14	8
27	175	45	92	17	14	26	8	14	9	11	12	26	33	9	63	37	12	9	
27	157	33	117	20	27	21	18	8	13	18	12	21	27	30	9	64	38	12	10
33	190	32	101	15	37	16	12	9	19	18	20	20	28	30	9	65	35	12	11
26	159	43	112	12	28	32	15	16	9	17	7	20	30	32	10	69	38	12	12
26	168	42	125	11	22	23	12	9	9	15	22	31	30	9	66	35	12	13	
41	155	36	124	19	24	20	14	9	8	5	23	31	30	10	66	36	12	14	
42	153	40	129	17	9	13	17	13	13	14	24	31	32	10	64	36	12	15	
37	129	35	117	12	15	12	21	10	14	6	23	33	30	10	60	35	12	16	
27	125	24	112	10	14	12	12	10	18	17	13	24	33	32	8	57	35	12	17
50	124	43	119	9	8	12	10	13	14	11	22	34	31	9	58	33	12	18	
50	108	22	107	14	18	13	13	14	12	12	9	25	34	32	9	55	34	1	

TABLE 25.—Temperature at Greenwich, Total Deaths, and Deaths at Seven groups of Ages in London, in each Week of the Year 1884.

POPULATION estimated to the middle of 1884 - -					4,019,361	117,525	405,941	1,215,849	1,345,551	681,974	237,378	15,144
Number of Week.	WEEK ENDING	TEMPERATURE.			AGES AT DEATH.							
		Mean.	Highest Reading.	Lowest Reading.	ALL AGES.	Under 1 Year.	1-5	5-20	20-40	40-60	60-80	80 and upwards.
	YEAR (of 53 Weeks)	°	°	°								
		50·7	94·2	24·5	83,050	21,369	14,661	5,402	10,811	13,660	14,085	2,972
	March Quarter	43·4	68·8	27·3	20,382	4,728	3,871	1,280	2,601	3,415	3,695	792
	June "	52·5	82·6	27·0	19,944	4,444	4,332	1,395	2,605	3,221	3,279	668
	September "	62·7	94·2	42·3	20,965	7,313	3,336	1,319	2,460	3,062	2,881	592
	December "	44·1	67·1	24·5	21,759	4,884	3,122	1,498	3,145	3,962	4,230	912
1	1884. January 5	41·3	50·1	31·2	1663	364	275	111	216	302	327	68
2	" 12	44·3	51·3	34·8	1493	320	284	84	203	258	284	51
3	" 19	42·7	50·0	34·5	1578	381	273	96	213	249	298	68
4	" 26	44·9	53·8	36·7	1531	340	320	96	199	240	277	59
5	February 2	43·7	55·3	32·6	1595	391	299	103	186	263	279	64
6	" 9	42·2	51·4	27·8	1499	349	279	83	189	274	273	52
7	" 16	42·7	57·6	32·5	1528	354	282	103	177	294	258	60
8	" 23	43·4	53·1	31·6	1552	374	292	95	189	264	274	54
9	March 1	38·2	48·2	27·7	1483	348	278	90	193	261	275	40
10	" 8	41·2	54·1	27·3	1639	375	333	101	219	254	290	67
11	" 15	46·9	63·0	36·1	1660	377	327	113	216	260	288	79
12	" 22	49·6	68·8	31·9	1588	385	318	92	188	239	296	70
13	" 29	41·1	53·9	34·5	1573	361	311	113	193	257	278	60
14	April 5	51·2	68·7	37·0	1689	401	365	112	214	239	293	65
15	" 12	46·8	59·9	36·3	1474	336	356	86	171	222	253	50
16	" 19	41·7	52·6	33·1	1649	365	366	90	216	261	296	55
17	" 26	40·6	53·8	27·0	1660	370	362	116	207	264	268	73
18	May 3	47·1	61·7	33·7	1697	349	379	120	197	292	299	61
19	" 10	51·3	75·0	36·2	1586	375	362	96	177	264	259	53
20	" 17	59·0	78·5	45·0	1536	337	307	109	208	265	250	60
21	" 24	56·9	80·5	39·5	1427	308	310	105	174	249	231	50
22	" 31	52·3	69·5	39·8	1476	316	316	110	198	245	244	47
23	June 7	52·8	69·5	42·7	1468	307	305	121	232	245	216	32
24	" 14	57·6	76·6	45·0	1450	328	297	115	215	240	212	43
25	" 21	56·8	70·3	46·5	1371	310	301	103	210	193	215	39
26	" 28	63·3	82·6	47·1	1471	342	306	112	186	242	243	40
27	July 5	66·6	88·1	50·8	1508	416	284	99	204	226	231	48
28	" 12	65·5	86·5	52·4	1849	703	307	126	188	249	233	43
29	" 19	62·8	83·6	48·5	2007	936	344	114	174	209	188	42
30	" 26	59·2	75·6	42·3	1995	894	310	100	189	254	204	44
31	August 2	64·2	85·3	51·8	1767	659	297	107	192	263	204	55
32	" 9	66·6	88·5	46·1	1624	555	257	111	193	238	233	37
33	" 16	68·9	94·2	51·6	1634	572	255	88	184	238	251	46
34	" 23	65·7	87·1	49·6	1579	519	279	88	179	253	217	44
35	" 30	59·1	88·1	45·8	1542	533	222	102	214	224	209	38
36	September 6	57·6	72·0	43·9	1529	461	217	114	203	239	238	57
37	" 13	60·5	75·1	49·7	1373	398	200	91	175	245	207	57
38	" 20	64·8	83·5	51·6	1315	324	196	89	189	221	257	39
39	" 27	56·3	72·7	46·4	1243	343	168	90	176	218	209	44
40	October 4	53·7	67·1	39·7	1327	365	188	97	193	229	212	43
41	" 11	47·9	62·7	37·2	1344	311	188	100	204	261	233	47
42	" 18	50·3	62·1	36·8	1517	369	229	98	211	279	280	51
43	" 25	47·5	61·5	32·1	1463	332	197	96	221	286	278	58
44	November 1	48·2	61·7	33·5	1503	336	224	92	237	284	268	62
45	" 8	49·4	61·2	34·0	1516	354	234	93	231	260	290	54
46	" 15	45·0	56·1	32·3	1507	359	209	104	235	275	266	56
47	" 22	38·8	44·7	30·7	1521	333	223	139	228	270	262	54
48	" 29	36·4	47·2	24·5	1716	387	237	108	213	286	332	68
49	December 6	42·4	55·1	28·7	1764	375	247	97	254	327	388	76
50	" 13	46·5	54·7	34·6	1638	327	238	130	321	324	347	81
51	" 20	41·2	52·5	30·3	1695	346	262	113	216	280	304	74
52	" 27	36·5	42·7	32·3	1430	284	198	89	215	248	338	58
53	January (1885.) 3	33·2	40·9	25·5	1918	406	248	142	261	331	429	101

No. of week.	Week ending	BIRTHS.			DEATHS.			Mean Tempera- ture of the Air.	Mean of the		Dryness of Atmo- sphere.*	Fall of Rain in Inches.	Mean Hourly Amount of Movement of the Air in each Week†	Sun above Horizon in Hours.	Regis- tered Sunshine in Hours.	
		Total.	Males.	Femls.	Total.	Males.	Femls.		Highest Readings of the Thermo- meter.	Lowest Readings of the Thermo- meter.						
1	1881.															
2	Jan.	5	2926	1503	1423	1663	844	819	41° 3	43° 6	37° 8	94	0° 29	9° 8	55° 1	0° 0
3	"	12	2681	1370	1311	1493	758	735	44° 3	48° 3	40° 0	85	0° 19	17° 3	56° 5	3° 0
4	"	19	2718	1364	1354	1578	777	801	42° 7	46° 1	38° 3	90	0° 00	8° 3	58° 1	0° 0
5	"	26	2410	1224	1186	1531	779	752	44° 9	49° 4	40° 2	88	0° 91	26° 5	60° 4	5° 4
6	Feb.	3	2587	1306	1281	1595	826	769	43° 7	48° 5	38° 6	88	0° 77	22° 3	62° 9	9° 4
7	"	9	2714	1417	1297	1499	809	690	42° 2	41° 9	37° 4	88	0° 08	10° 9	65° 7	0° 9
8	"	16	2649	1363	1286	1528	785	740	42° 7	48° 9	37° 7	84	0° 38	16° 6	68° 7	17° 2
9	"	23	2546	1335	1211	1552	817	735	43° 4	49° 3	38° 3	86	0° 64	15° 1	71° 9	19° 8
10	March	1	2761	1407	1354	1483	763	715	38° 2	45° 0	31° 8	80	0° 03	10° 2	74° 9	11° 6
11	"	8	2754	1411	1343	1639	832	807	41° 2	49° 6	33° 4	83	0° 23	10° 8	77° 8	13° 9
12	"	15	2761	1384	1377	1660	856	804	46° 9	55° 1	40° 5	78	1° 06	12° 1	81° 0	21° 7
13	"	22	2665	1342	1323	1588	799	789	49° 6	60° 1	40° 0	73	0° 04	13° 1	84° 2	34° 4
14	"	29	2732	1386	1346	1573	829	744	41° 1	47° 1	36° 6	81	0° 01	10° 5	87° 5	9° 3
15	April	5	2718	1387	1331	1689	845	844	51° 2	60° 4	42° 8	80	0° 22	10° 8	90° 8	31° 5
16	"	12	2429	1232	1197	1474	771	703	46° 8	55° 2	40° 3	81	0° 46	8° 6	94° 0	18° 7
17	"	19	2568	1310	1258	1649	860	789	41° 7	49° 1	35° 8	79	0° 08	14° 2	97° 1	11° 2
18	"	26	2807	1402	1405	1660	881	779	40° 6	51° 0	30° 8	82	0° 14	8° 4	100° 1	21° 1
19	May	3	2541	1331	1210	1697	876	821	47° 1	57° 3	38° 0	80	0° 40	14° 2	103° 0	13° 0
20	"	10	2811	1391	1420	1586	819	767	51° 3	63° 1	41° 4	77	0° 36	16° 6	105° 8	43° 2
21	"	17	2556	1279	1277	1536	801	735	59° 0	71° 5	48° 4	70	0° 36	13° 2	108° 3	49° 5
22	"	24	2627	1310	1317	1427	769	658	56° 9	69° 8	44° 0	63	0° 06	7° 6	110° 8	54° 4
23	"	31	2548	1290	1258	1476	795	681	52° 3	61° 9	42° 6	72	0° 00	12° 2	112° 7	31° 1
24	June	7	2098	1101	997	1465	750	703	52° 8	62° 6	46° 6	86	1° 95	8° 7	114° 3	11° 3
25	"	14	2805	1463	1342	1450	762	688	57° 6	67° 8	48° 4	79	0° 15	8° 6	115° 3	34° 8
26	"	21	2615													

TABLE 27.—Greenwich Meteorological Elements for the Year 1884. By J. GLAISHER, Esq., F.R.S.

MONTHS.	Mean Reading of the Barometer.	TEMPERATURE OF THE AIR.							Departure from Average of 13 Years. (1771-1884.)	Mean Temperature of the Dew Point.	Mean Elastic Force of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humidity, Saturation = 100.	Mean Weight of a Cubic Foot of Air.	RELATIVE PROPORTION OF WIND.				Mean Amount of Cloud.	RAIN.	
		Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.								N.	E.	S.	W.		Number of Days it fell.	Amount collected.
	in.									in.	grs.	grs.	grs.								in.	in.
January	29.915	50.3	36.2	40.8	36.2	40.9	45.0	+5.4	50.9	.256	2.6	0.5	89	550	575	3	1	11	16	8.0	15	17.0
February	29.744	57.6	27.8	42.8	47.7	36.8	40.9	+3.2	37.5	.225	2.6	0.5	85	549	5	8	9	7	7.0	13	1.57	
March	29.672	68.2	27.8	21.5	52.7	37.4	15.3	+4.6	38.2	.231	2.6	0.5	79	547	6	10	10	5	6.8	11	1.37	
April	29.645	68.7	27.0	41.7	54.3	37.1	17.2	+5.1	39.3	.240	2.6	0.6	80	544	12	8	8	2	7.5	15	1.11	
May	29.824	80.5	37.6	44.9	65.7	43.8	21.9	+5.3	44.9	.298	3.4	1.4	71	537	2	11	8	11	5.3	10	0.77	
June	29.857	82.6	42.7	39.9	59.3	49.1	21.2	+5.0	51.0	.374	4.2	1.1	78	533	12	5	2	11	6.7	12	0.82	
July	29.780	82.1	45.8	45.3	53.5	53.5	21.8	+6.4	54.4	.424	4.7	1.8	74	528	4	4	9	14	7.1	16	1.77	
August	29.835	84.2	45.8	48.4	78.7	53.6	25.1	+6.3	54.2	.424	4.7	1.8	74	528	7	7	6	12	4.6	8	0.67	
September	29.835	83.5	42.4	41.1	69.2	51.3	17.9	+5.3	53.3	.405	4.6	1.1	81	531	5	11	6	9	5.9	12	2.09	
October	29.895	63.7	32.1	30.6	56.5	41.6	14.9	+8.9	43.7	.287	3.2	0.6	83	544	8	5	4	14	6.7	12	1.04	
November	29.978	61.2	24.5	36.7	47.6	36.8	10.8	+4.2	38.3	.231	2.7	0.5	85	553	6	5	6	11	6.7	12	0.99	
December	29.890	53.1	26.7	28.4	45.1	36.5	8.6	+1.0	37.2	.222	2.6	0.4	87	549	6	7	7	11	8.2	18	2.54	
Means	29.813	71.5	33.8	37.7	59.2	43.1	16.1	50.7	+2.1	44.4	.301	3.4	0.9	80	541	76	82	85	13.3	6.7	150 Sum	18.05

TABLE 28.—METEOROLOGICAL TABLE FOR LONDON, 1884.

(Deduced from Observations, at Greenwich, under the Superintendence of the Astronomer Royal, and compiled from Quarterly Tables, furnished to the Registrar General by James Glaisher, Esq., F.R.S.)

1884. YEAR	Temperature of										Elastic Force of Vapour.		Weight of Vapour in a Cubic Foot of Air.		Degree of Humidity.		Reading of Barometer.		Weight of a Cubic Foot of Air.		Rain.		Reading of Thermometer on Grass.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Air.			Evapora- tion.		Dew Point.		Air— Daily Range.		Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean (Sat = 100).	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Amount.	Diff. from Average of 70 Years.	At or below 30°.	Between 30° and 40°.	Above 40°.	Lowest Reading at Night.	Highest Reading at Night.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Mean.	Diff. from Average of 113 Years.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.																				Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.	Mean.	Diff. from Average of 43 Years.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

In this Table, + and - respectively signify that the numbers in the preceding column are above or below the average to the extent of the quantities to which these signs are prefixed.

TABLE 29.—Houses, &c. supplied, and Average Daily Quantity of Water DELIVERED, by the London Water Companies in each MONTH of the Year 1884.

Water Supply of the Metropolis.

xli

COMPANIES.		NUMBER OF HOUSES, &c. SUPPLIED IN											
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Houses supplied		684,321	665,770	667,503	669,287	670,968	672,612	674,945	676,610	678,804	680,723	682,353	683,893
FROM THAMES		321,849	329,455	323,553	324,426	325,431	326,478	327,273	328,008	329,041	330,008	330,746	331,397
FROM LEA AND FROM OTHER SOURCES		342,672	343,315	344,015	344,861	345,537	346,134	347,672	348,602	349,763	350,715	351,607	352,496
FROM THAMES.													
CHELSEA		32,587	32,636	32,707	32,797	32,836	32,839	32,955	32,998	33,063	33,134	33,195	33,215
WEST MIDDLESEX		68,500	63,575	63,898	64,032	64,378	64,670	64,797	64,887	65,014	65,306	65,439	65,619
SOUTHWARK AND VAUXHALL		101,009	101,710	101,696	101,696	101,893	102,132	102,303	102,507	102,781	102,956	103,097	103,267
GRAND JUNCTION		48,255	48,378	48,583	48,657	48,563	49,020	49,283	49,375	49,583	49,740	49,902	50,014
LAMBETH		76,498	76,676	76,352	77,184	77,471	77,767	77,980	78,241	78,600	78,872	79,083	79,252
FROM LEA AND OTHER SOURCES.													
NEW RIVER		140,489	140,570	140,698	141,058	141,307	141,574	141,847	142,148	142,443	142,676	142,886	143,007
EAST LONDON		141,972	142,305	142,645	142,910	143,234	143,573	144,372	144,773	145,340	145,754	146,109	146,374
KENT		60,211	60,440	60,672	60,893	60,996	61,326	61,453	61,681	61,980	62,285	62,612	63,115
COMPANIES.		AVERAGE DAILY SUPPLY OF WATER IN GALLONS DURING THE MONTHS OF											
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Quantities supplied		138,715,395	137,424,736	138,927,637	143,178,175	154,258,007	159,801,994	171,874,033	172,653,319	163,075,377	155,833,568	147,894,005	144,141,614
FROM THAMES		70,869,659	69,849,136	70,643,108	71,136,458	77,624,633	80,799,174	86,021,021	86,536,247	81,387,440	78,386,138	75,291,107	79,719,351
FROM LEA AND FROM OTHER SOURCES		67,845,736	67,575,600	68,284,529	71,981,717	76,633,974	79,002,820	85,353,012	86,117,072	81,687,937	77,447,430	72,602,898	71,422,263
FROM THAMES.													
CHELSEA		9,452,900	9,467,540	9,525,440	9,610,340	10,097,400	10,560,400	11,356,000	11,074,300	10,370,300	9,965,880	9,838,630	9,850,400
WEST MIDDLESEX		12,225,785	12,608,062	12,769,375	12,695,508	14,070,005	14,690,035	15,773,122	15,170,692	14,236,745	13,973,995	13,627,600	12,612,656
SOUTHWARK AND VAUXHALL		20,373,317	19,722,661	19,940,649	19,668,108	21,506,020	21,838,629	23,934,785	24,397,216	23,408,235	23,408,235	22,207,903	20,929,482
GRAND JUNCTION		13,813,557	13,783,473	14,128,744	14,300,902	15,969,208	16,464,514	16,464,514	16,325,439	15,044,722	14,598,493	14,549,171	14,146,413
LAMBETH		13,796,100	14,267,400	14,248,300	14,921,600	16,042,000	17,790,500	18,492,000	19,568,000	17,474,700	16,434,600	15,667,800	15,130,400
FROM LEA AND OTHER SOURCES.													
NEW RIVER		26,415,001	25,738,000	25,970,000	28,544,000	29,987,000	31,006,000	33,915,000	33,382,000	31,679,000	29,402,000	27,279,000	26,593,000
EAST LONDON		31,983,500	32,376,946	33,744,880	33,744,880	35,890,755	36,846,282	39,584,908	40,387,651	38,993,855	37,565,701	35,417,008	35,232,127
KENT		3,447,235	3,354,058	3,337,644	3,692,837	10,846,219	11,150,538	11,853,104	12,347,421	11,075,082	10,479,729	9,906,890	9,577,136

Note.—The quantities of water in the above Table include the supply for various purposes other than for domestic consumption.

TABLE 30.—Houses, &c. supplied, and Average Daily Quantity of Water DELIVERED for ALL PURPOSES and for DOMESTIC PURPOSES, by the London Water Companies during 1884.

WATER COMPANIES.	AVERAGE NUMBER of HOUSES supplied during the Year.	AVERAGE DAILY SUPPLY OF WATER DURING THE YEAR.				
		Delivered.		Used for Domestic purposes.†		
		Gallons.	Cubic Metres.*	Gallons.	Gallons per House.	
					1883.	1884.
Total - - - -	674,005	152,273,210	691,847	124,864,032	182	185
FROM THAMES - - - -	326,723	76,776,956	348,833	62,957,104	186	193
FROM LEA AND OTHER SOURCES - - -	347,282	75,496,254	343,014	61,906,928	177	178
FROM THAMES.						
CHELSEA - - - -	32,920	10,099,961	45,889	8,281,968	246	252
WEST MIDDLESEX - - - -	64,600	13,654,932	62,041	11,197,044	161	173
SOUTHWARK AND VAUXHALL - - -	102,193	21,865,831	99,346	17,929,981	168	175
GRAND JUNCTION - - - -	49,129	14,920,007	67,788	12,234,406	238	249
LAMBETH - - - -	77,881	16,236,225	73,769	13,313,705	173	171
FROM LEA AND OTHER SOURCES.						
NEW RIVER - - - -	141,725	29,159,167	132,483	23,910,517	167	169
EAST LONDON - - - -	144,085	35,914,760	163,178	29,450,103	205	204
KENT - - - -	61,472	10,422,327	47,353	8,546,308	134	139
Columns - - - -	1.	2.	3.	4.	5.	6.

* A cubic metre is equal in volume to 35·3 cubic feet, or to 220·09668 imperial gallons. It is nearly equivalent to the old English *tun* of four hogsheads, holding 35·248 cubic feet. It is in general use on the Continent; and its volume of water weighs a metric *ton*, differing inconsiderably in weight from the *ton* in common use. It is equal to 100 decalitres: thus a decalitre equals 2·2009668 gallons.

† According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that during the year 1866 about 82 per cent. of the total supply of water for all purposes was for domestic use; this proportion has been applied in estimating the quantities for the year 1884 in columns 4, 5, and 6, showing the gallons probably used for domestic purposes. The average daily quantity of water supplied by the London Companies during the year 1884 was 152,273,210 gallons (691,847 cubic metres, equal to about as many *tuns* by measure, *tons* by weight), of which about 124,864,032 gallons (567,314 cubic metres) were probably used for domestic purposes. The average quantity used daily for domestic purposes in each house (see Col. 6) is equal to 84 decalitres, and corresponds to 23·8 gallons (10·8 decalitres) to each person. The Returns of the Water Companies include uninhabited houses.

REPORT on the ANALYSIS of the WATERS supplied by the METROPOLITAN WATER COMPANIES during the several MONTHS of the YEAR 1884. By PROFESSOR FRANKLAND, D.C.L., F.R.S., &c.

*Grove House, Pembroke Square, W.,
23rd February 1885.*

SIR,

I HAVE to report to you, upon the results of my chemical examination of the waters supplied to the inner, and portions also of the outer, circle of the Metropolis during the year ending December 1884.

The past year has in many respects been an exceptional one, its peculiarities having had a very intimate connexion with the subject of water-supply throughout the country generally. Thus the unusually small rain-fall during the summer months rendered it in many cases exceedingly difficult to obtain even an average quantity of water at the very time when the great heat was creating a demand for an exceptionally large amount. In many towns, especially in the north of England, the scarcity of water was so great as to cause very serious inconvenience both to domestic and industrial supply. The Metropolis has fortunately experienced no inconvenience of this kind, having been provided throughout the year with more than a liberal allowance of water. But whereas the prolonged drought imposed serious difficulties upon provincial water companies in regard to their ability to furnish a sufficient quantity, the same cause has in many cases tended to greatly improve the quality of the water actually delivered.

Thus although the volume of water in most rivers and streams was reduced to a very low ebb, such water as still found its way into them was chiefly derived, not from the surface drainage of cultivated land, as is generally the case, but from deep-seated springs the resources of which even the inordinately long drought was unable to exhaust. On this account, the river-waters were during many months exceptionally free from organic contamination, and the slight turbidity of the unfiltered water was readily removable by storage and filtration. The daily flow of both the Thames and the Lea never fell below the requirements of the water companies drawing their supplies from these sources, and consequently the inhabitants of London, instead of suffering from the exceptionally hot summer, were supplied with water almost uniformly clear and unusually free from organic matter.

On the other hand, it is alleged that considerable discomfort has been experienced by the riparian population, and those using the river between the intakes of the water companies drawing from the Thames and the points where the Metropolitan sewage is discharged, on account of the very considerable proportion of the total volume of water which was diverted for the supply of the Metropolis. The amount so abstracted, however, does not seem to have ever exceeded a maximum of one fourth of the total flow of the river.

That the Companies drawing from the rivers Thames and Lea are now in possession of much more adequate appliances for storage and filtration than formerly, has been again repeatedly illustrated during the past year both by the remarkable freedom from an excessive proportion of organic matter and by the almost uniform clearness which most of the waters have exhibited even during the winter months.

Some progress has also been made during the year, in opening up for the supply of the Metropolis and its suburbs more of the underground water contained in the chalk. Thus several new wells are being sunk by the New River Company, one by the Southwark Company at Streatham, and another by the East London Company at Chingford. The water from the Streatham boring has been submitted by me to analysis, the results of which are given below.

The analysis shows that this water contains only a trace of organic matter. When the turbidity due to sand and other mineral matters which it at present exhibits has been removed, it will be of unsurpassed quality for dietetic purposes.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

Description.	Total solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Nitrates and Nitrites.	Total Combined Nitrogen.	Previous Sewage or Animal Contamination.	Chlorine.	Hardness.			Remarks.
									Temporary.	Permanent.	Total.	
Southwark and Vauxhall Company. Well at Streatham - November 1884.	32.40	.017	.010	.010	0	.018	0	2.4	12.4	6.7	19.1	Turbid. Palatable.

Mr. J. Thornhill Harrison, C.E., has recently submitted a plan to the Local Government Board for obtaining an adequate supply of water for the Metropolis from the natural reservoir of the chalk. This possibility of obtaining such a supply was originally advanced by him in his evidence before the Royal Commission on Water Supply (1867); the advantages and great desirability of such a supply was also dwelt upon at great length, and strongly recommended in the 6th Report of the Royal Commission appointed in 1868, to inquire into the pollution of rivers and the state of domestic water supply.

Mr. Harrison has now shown the feasibility of such a scheme from an engineering point of view, and that it is capable of being realised at a very reasonable cost.

In my previous annual reports I have again and again pointed out the great desirability, from a chemical and sanitary point of view, of securing such an unimpeachable source of water-supply. It is to be hoped that Mr. Harrison's scheme will receive the serious consideration it so well deserves.

In my report for 1883, I called attention to the dangerous precedent which had been created by a decision of Mr. Justice Pearson, in an important case, *Ballard v. Tomlinson*, to the effect that these subterranean sources of water may be polluted or poisoned to an unlimited extent without any legal redress. It is gratifying, in the interests of the public health, that this judgment has since been unanimously reversed in the Court of Appeal.

During the past year the total average daily volume of water supplied to the inner circle of the Metropolis is estimated at 152,273,210 gallons. This amount is in excess of the average daily supply in 1883 by almost eight millions of gallons, but the average consumption per head of population has undergone but very little change, being 29.0 gallons per day as against 28.4 gallons in 1883. Of this total volume, no less than 76,776,956 gallons were, on an average, daily taken from the Thames, 65,073,927 gallons from the Lea, and 10,422,327 gallons from deep-wells in the chalk.

The quantity actually abstracted from the Thames was rather more, and from the Lea rather less, than is indicated above, for during the latter half of the year the East London Company have availed themselves of their right to draw 10,000,000 gallons daily from the Thames at Sunbury.

The samples analysed were in all cases collected directly from the mains at places recommended by the companies themselves.

In addition to the ordinary process of chemical analysis to which the waters were subjected, the temperature of each sample at the time of its collection has been recorded, and its appearance in a two-foot tube observed; whilst in those cases in which the waters were found to be more or less turbid, the suspended matter deposited on standing was microscopically examined.

In Table A. will be found the temperature of the waters at the moment of their collection from the several companies' mains. Although the mean temperature of all the waters was practically the same, it will be seen that the extremes are very much more marked in the case of the river than in that of the deep-well waters, thus:—

The Thames water supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies varied in temperature from 6° 0 C. (42° 8 Fahr.) in December to 22° 5 C. (72° 5 Fahr.) in August.

The Lea water distributed by the New River and East London Companies had a temperature varying from $6^{\circ}\cdot6$ C. ($43^{\circ}\cdot9$ Fahr.) in January to $21^{\circ}\cdot0$ C. ($69^{\circ}\cdot8$ Fahr.) in August.

The deep-well water furnished by the Kent Company exhibited a variation in temperature from $12^{\circ}\cdot0$ C. ($53^{\circ}\cdot6$ Fahr.) in February and March, to $14^{\circ}\cdot9$ C. ($58^{\circ}\cdot8$ Fahr.) in June.

Thus even in the hottest months, the agreeable coolness of the deep-well water was unimpaired; whilst the river water became unpleasantly warm to the taste.

Table B. records the total amount of solid matters found in 100,000 parts by weight of each of the waters. By far the greater part of this solid matter consists of mineral salts, which in no way impair the quality of the water for drinking; but the salts of lime and magnesia render it hard, and therefore less suitable for washing, whilst, by producing deposits in boilers, they deteriorate the value of the water for steam purposes. A small proportion of the solid matter is, however, always organic. This organic matter, although unobjectionable as regards its amount, must, in the case of the river-waters, be regarded with suspicion; for the rivers Thames and Lea receive, above the intakes of the water companies, a certain amount of animal matter, derived from sewers, the effluents from sewage works and manured land. These animal matters may at any time be accompanied with the germs of certain zymotic diseases, and there is nothing in the subsequent treatment of the water which can ensure the removal of these germs should they be present.

The deep-well waters supplied by the Kent Company and by the Tottenham Local Board of Health, exhibited the largest proportion of total solid matters, whilst the Colne Valley Company's water, although obtained from the same source, did not contain one-third the amount present in the Kent Company's water, and less than one-half of that in any of the river waters.

Tables C. and D. record the results of the determinations of organic carbon and organic nitrogen, and thus enable us to compare the relative proportions of organic matter present in the various waters. These tables show that during an exceptionally long period of the year the proportion of organic matter in the river-waters was remarkably small. The proportion of organic matter in the deep-well waters was invariably less than that in any of the river waters, excepting the New River Company's supply, which during the greater part of the year was, chemically, inferior only to the best of the deep-well waters.

Taking the mean proportion of organic impurity contained in the Thames water delivered in 1868 as 1,000, I find that in the subsequent years, 1884 included, the following proportions were present:—

Year.	Proportion of organic impurity present in Thames water as delivered in London.
1868 - - - - -	1,000
1869 - - - - -	1,016
1870 - - - - -	795
1871 - - - - -	928
1872 - - - - -	1,243
1873 - - - - -	917
1874 - - - - -	933
1875 - - - - -	1,030
1876 - - - - -	903
1877 - - - - -	907
1878 - - - - -	1,056
1879 - - - - -	1,165
1880 - - - - -	1,254
1881 - - - - -	993
1882 - - - - -	1,033
1883 - - - - -	850
1884 - - - - -	723

These figures show that the Thames water supplied to London was of better average quality during the past year than in any of the previous 16 years.

Of the water drawn from the Lea, that distributed by the New River Company was, as regards freedom from organic matter, generally second only to the best of the deep-well waters, and invariably superior to the East London Company's supply, which usually ranked with the better samples of Thames water.

Taking, as before, the mean proportion of organic impurity in the Thames water supplied to London in 1868 as 1,000, I find in that and the succeeding years, 1884 included, the following proportions in the Lea water delivered by the New River and East London Companies :—

Year.	Proportion of organic impurity present in Lea water as delivered in London.
1868	484
1869	618
1870	550
1871	604
1872	819
1873	693
1874	583
1875	751
1876	562
1877	596
1878	747
1879	947
1880	1,013
1881	765
1882	711
1883	620
1884	500

Thus during the past year the water supplied from the Lea was of better average quality, as regards organic matter, than in any previous year, 1868 excepted, since these analyses were made.

In the case of the deep-well waters supplied to London, the organic matter when compared with the same standard, was :—

1868	254
1869	312
1870	246
1871	150
1872	221
1873	250
1874	287
1875	250
1876	246
1877	243
1878	323
1879	387
1880	393
1881	405
1882	409
1883	321
1884	264

From the above figures it will be seen that although the proportion of organic matter in the river waters was exceptionally small, yet even this proportion was very much in excess of that present in the deep-well waters, which amounted to little more than one-half of that in the Lea, and rather more than one-third of that present in the Thames waters.

It must, moreover, be borne in mind that the river waters are only filtered through a few feet of sand whilst the deep-well waters have, in percolating from the surface of the earth, been subjected to a process of exhaustive filtration which cannot be artificially imitated, and which renders it highly improbable that any noxious organised matters should have escaped removal.

It should be mentioned that, although the samples of the Tottenham water actually analysed have in all cases been taken from the deep-well of the Local Board of Health, the district has frequently, during the past year received a supplementary supply from the mains of the East London Company.

In Table E. is recorded the proportional amount of organic elements (organic carbon and organic nitrogen) in each of the waters, the average amount of these elements contained in the Kent Company's water during the nine years ending December 1876 being taken as unity. This Table shows that the maximum, minimum, and average proportions of organic matter, as measured by this standard, present in the several waters, during 1884, were as follows:—

Sources.		Maximum.	Minimum.	Average.
Deep wells	{ Kent -	1.3	0.5	0.8
	{ Colne Valley -	1.6	0.6	1.0
	{ Tottenham -	2.2	0.9	1.4
River Lea	{ New River -	2.0	0.9	1.3
	{ East London -	4.6	1.7	2.8
River Thames	{ Chelsea -	4.6	2.2	2.8
	{ West Middlesex -	4.0	2.1	2.8
	{ Southwark -	6.4	2.2	3.3
	{ Grand Junction -	5.3	2.2	2.8
	{ Lambeth -	4.8	2.0	2.8

By means of these figures, the condition of the various waters as regards organic matter can be readily followed throughout the year. It will be seen that, of the deep-well waters, that supplied by the Kent Company was the best, whilst of the river waters, the New River Company's supply occupied the first place and was only distantly approached by any of the others. The water of the Southwark Company, on the other hand contained both greater maximum and average amounts of organic matter than any of the other waters. This unfavourable position of the Southwark Company's water is doubtless due to the inadequate storage capacity which it at present possesses, whereby the exclusion of flood-water from the reservoirs cannot be secured. This Company is at present engaged in carrying out works similar to those of the Lambeth and Grand Junction Companies for collecting subterranean water from the gravel beds adjoining the river, so as to avoid being dependent upon the river itself when the latter is in flood.

The following Table shows the maximum amount of organic pollution in the waters supplied from the Thames and Lea during the years 1868 to 1884 inclusive, the average of the samples from each source in the month of greatest pollution being taken for comparison:—

MAXIMUM AMOUNT OF ORGANIC POLLUTION.

THAMES.			LEA.		
Year.	Elements of organic matter in parts per 100,000.	Months in which maximum pollution occurred.	Year.	Elements of organic matter in parts per 100,000.	Months in which maximum pollution occurred.
1868	·45	January.	1868	·27	February.
1869	·60	February.	1869	·33	February.
1870	·42	January.	1870	·30	January.
1871	·52	October.	1871	·22	February.
1872	·48	January & December.	1872	·39	December.
1873	·46	January.	1873	·33	January.
1874	·37	March.	1874	·21	March.
1875	·49	November.	1875	·28	November.
1876	·44	December.	1876	·24	March.
1877	·40	January.	1877	·30	January.
1878	·36	December.	1878	·26	June.
1879	·38	February.	1879	·33	July.
1880	·42	October.	1880	·33	February.
1881	·34	February.	1881	·34	February.
1882	·37	November.	1882	·26	December.
1883	·32	January.	1883	·24	December.
1884	·27	February.	1884	·20	March.

This table shows that the water supplied both from the Thames and the Lea, was throughout the year exceptionally free from an excessive proportion of organic matter. The improvement in this respect which has taken place since 1868, when these analyses were first commenced, is so striking, that I have traced by means of a curve in the accompanying diagrams, the maximum and minimum proportions of organic matter present in each of the three classes of water, during each year since 1868.

This marked diminution in the fluctuation of quality which the river waters, and especially those derived from the Thames, have undergone, is undoubtedly due to the very much greater care and attention which is now bestowed by the several Companies, both in selecting the best water which the rivers afford and in purifying the water after it has been abstracted.

Tables F. and G. require no comment.

Table H. shows the total amount of combined nitrogen present in each of the waters. This amount, after making a small deduction for the average quantity contained in rain water, forms the total evidence of the nitrogenous organic matters which the waters have received in the past, and of those which they still contained at the time of analysis. The quantity of this total combined nitrogen in river water suffers, however, considerable reduction during the summer months by the presence of active vegetable life, and it is, therefore, only during the winter months that it can in any way be regarded as a measure of the nitrogenous organic matters which the water has received. During the months of January, February, March, October, November, and December the average proportion of total combined nitrogen in 100,000 parts was :—

MAXIMUM & MINIMUM PROPORTION OF ORGANIC MATTER IN WATER FROM THAMES & DEEP WELLS.

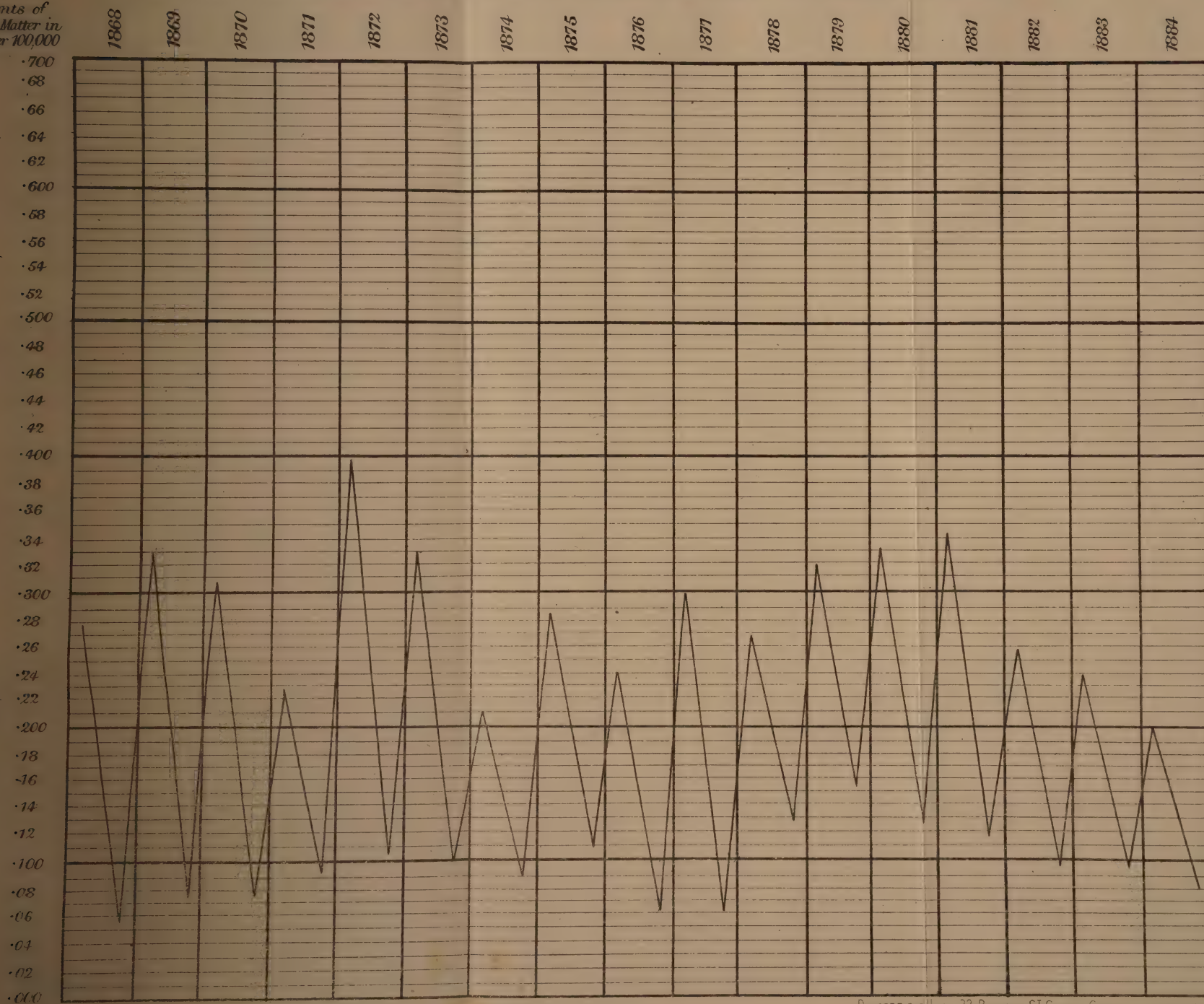
Elements of—
Organic Matter in
Parts per 100,000





MAXIMUM & MINIMUM PROPORTION OF ORGANIC MATTER IN RIVER LEA WATER.

Elements of
Organic Matter in
Parts per 100,000



Year.	Thames.	Lea.	Deep-Wells.
1879	·281	·310	·317
1880	·276	·284	·294
1881	·260	·294	·306
1882	·258	·304	·294
1883	·259	·329	·353
1884	·244	·273	·301

There can be little doubt that this almost continuous diminution, which has taken place in the case of the Thames supply, is due to the longer storage which the water now undergoes before distribution.

The deep-well water distributed by the Kent and Colne Valley Companies and by the Tottenham Local Board of Health is not exposed to the influences of animal and vegetable life, and the average proportion of the total combined nitrogen which it contains is, therefore, taken on the whole year.

In Table I. the proportion of chlorine present in each of the waters is recorded. These figures show that no brackish or tidal water had gained access to the companies' reservoirs.

Table K. exhibits the hardness of the various waters; or in other words the amount of carbonate of lime, or its equivalent of soap-destroying substances, present in 100,000 parts of water. This table shows that the average hardness during the past 5 years has been :—

Year.	Thames.	Lea.	Kent.	Colne Valley.	Tottenham.
1880	20°·2	20°·7	26°·6	6°·3	22°·2
1881	19°·8	20°·8	28°·3	6°·2	24°·1
1882	20°·7	21°·1	28°·5	5°·5	25°·4
1883	19°·9	20°·6	28°·0	7°·1	22°·5
1884	19°·4	20°·1	28°·6	5°·2	19°·7

The difference in hardness which these waters exhibit is of no material importance when they are used for drinking, but when used for laundry and steam purposes the advantages of soft water, like that furnished by the Colne Valley Company are very great. In the washing of linen soft water is quite indispensable, and if the water is not delivered soft it must be rendered so either by means of carbonate of soda, or by means of soap which is still more costly.

On the large scale many waters can be softened for about one-eightieth part of the cost by means of Clark's process or one of its modifications.

All the water supplied to the Metropolis, excepting that of the Colne Valley Company, is unsuitable for washing; the Colne Valley Company's water is derived from the chalk and is naturally hard like that of the Kent Company, but by means of Clark's process the hardness is reduced before delivery to less than one-fifth of that present in the Kent water.

In the same manner the hardness of the other waters could be equally reduced.

In Table L., lastly, is recorded the average for the past year, of each determination already mentioned, and the results of the analyses of the water supplied by each company during the year are thus summarized.

The results of my observations respecting the efficiency of the filtration to which the waters of the Thames and Lea were subjected before distribution are contained in the following Table; the results being compared also with those obtained in the year 1868, when these observations were first commenced by me :—

COMPANIES OR LOCAL AUTHORITIES.	Number of occasions when clear and transparent.		Number of occasions when slightly turbid.		Number of occasions when turbid.		Number of occasions when very turbid.	
	1868.	1884.	1868.	1884.	1868.	1884.	1868.	1884.
THAMES.								
Chelsea - - - -	7	12	2	0	1	0	2	0
West Middlesex - - -	12	11	0	1	0	0	0	0
Southwark - - - -	1	10	5	2	4	0	2	0
Grand Junction - - -	9	12	2	0	1	0	0	0
Lambeth - - - -	6	7	1	5	2	0	3	0
LEA.								
New River - - - -	10	12	2	0	0	0	0	0
East London - - - -	3	12	8	0	1	0	0	0
DEEP WELLS.								
Kent - - - -	8	12	3	0	1	0	0	0
Colne Valley - - - -	-	12	-	0	-	0	-	0
Tottenham Local Board of Health - - - -	-	12	-	0	-	0	-	0

There is nothing which exhibits more strikingly the greatly increased care and attention which is now bestowed upon the water supply of the Metropolis by the various companies to whom this supply is entrusted than this marked improvement in transparency. For the turbidity of the water is the only factor over which they have complete control, depending as it does exclusively upon the storage capacity and filtering appliances which each water company has at its disposal.

I am informed by the engineer of the Lambeth Company that the frequent cases of slight turbidity in their supply were probably due to the samples having been collected near the blind end of the main, and since the place of collection has been changed no further case of turbidity has occurred.

The deep-well water furnished by the Kent and Colne Valley Companies, and by the Tottenham Local Board of Health is uniformly bright and requires no artificial filtration.

The sediment deposited by the turbid samples was in every case examined microscopically. Only on one occasion, however, did this examination reveal the presence of any moving organisms, thus giving additional proof of the careful filtration to which the water was almost invariably subjected.

In the following Table the results of these microscopic examinations, made during the past 16 years are collected :—

NUMBER of Occasions when MOVING ORGANISMS were found.

—	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.
Chelsea -	3	2	2	3	2	5	4	4	1	0	2	0	0	0	1	0
West Middlesex -	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
Southwark -	8	1	4	1	2	5	5	7	5	3	0	0	0	0	3	0
Grand Junction -	4	1	1	2	3	5	7	3	3	3	1	3	3	0	1	0
Lambeth -	5	0	4	6	3	4	5	4	1	1	0	2	1	1	1	1
New River -	0	0	0	0	1	1	0	0	1	0	0	2	0	0	0	0
East London -	4	3	3	1	0	2	0	0	0	0	2	0	0	1	0	0
Kent -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colne Valley -	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
Tottenham -	-	-	-	-	-	-	-	-	0	0	0	0	0	0	1	0

I am, &c.

E. FRANKLAND.

The Registrar General, &c., &c.
Somerset House, W.C.

TEMPERATURE (in Centigrade degrees) of the METROPOLITAN WATERS, as delivered from the different Companies' Mains.

TABLE B.

WEIGHT of SOLID MATTERS in 100,000 parts of the WATERS.

TABLE C.

ORGANIC CARBON in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.			1884.												
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.														
	Chelsea - - -	•196	•172	•241	•132	•124	•114	•120	•117	•114	•114	•127	•132	•142	
	West Middlesex - -	•145	•178	•212	•150	•120	•150	•122	•112	•125	•123	•109	•173	•143	
	Southwark - - -	•180	•308	•188	•140	•115	•132	•145	•125	•139	•143	•145	•231	•166	
	Grand Junction - -	•143	•267	•166	•113	•180	•137	•137	•122	•125	•138	•137	•243	•156	
	Lambeth - - -	•155	•214	•172	•112	•119	•180	•123	•111	•103	•119	•141	•249	•146	
Inner Circle.	LEA.														
	New River - - -	•088	•092	•107	•050	•045	•083	•057	•052	•048	•057	•047	•044	•064	
	East London - - -	•164	•149	•244	•105	•094	•146	•124	•101	•116	•098	•138	•229	•142	
Outer Circle.	DEEP WELLS.														
	Kent - - -	•055	•049	•065	•028	•036	•021	•035	•028	•033	•041	•041	•042	•039	
	Colne Valley - - -	•055	•078	•070	•056	•026	•037	•026	•040	•050	•052	•063	•038	•049	
	Tottenham Local Board - - -	•079	•079	•115	•073	•060	•061	•057	•077	•070	•044	•056	•062	•069	

Water Supply of the Metropolis.

TABLE D.

ORGANIC NITROGEN in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	*026	*021	*032	*019	*020	*022	*058	*017	*024	*016	*020	*034	*026
	West Middlesex - -	*017	*024	*025	*021	*023	*025	*012	*016	*016	*023	*018	*037	*021
	Southwark - - -	*037	*071	*021	*025	*017	*016	*018	*021	*051	*034	*022	*025	*030
	Grand Junction - -	*039	*044	*014	*015	*017	*019	*025	*033	*020	*024	*022	*035	*026
	Lambeth - - -	*024	*036	*022	*015	*015	*019	*024	*022	*011	*015	*018	*037	*022
Outer Circle.	LEA.													
	New River - - -	*020	*026	*011	*010	*015	*011	*010	*013	*004	*008	*013	*012	*013
	East London - - -	*045	*025	*030	*016	*006	*055	*016	*016	*010	*012	*015	*025	*023
	DEEP WELLS.													
	Kent - - -	*020	*021	*008	*003	*005	*007	*009	*007	*004	*009	*008	*012	*009
	Colne Valley - - -	*015	*016	*019	*015	*007	*007	*009	*011	*006	*007	*014	*013	*012
	Tottenham Local Board - - -	*025	*013	*017	*017	*011	*014	*011	*016	*005	*008	*015	*018	*014

TABLE E.

PROPORTIONAL AMOUNT of ORGANIC ELEMENTS, that in the KENT Company's Water during the Nine Years ending December 1876 being taken as 1.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	3.8	3.3	4.6	2.6	2.4	2.3	3.0	2.3	2.3	2.2	2.5	2.7	2.8
	West Middlesex - -	2.7	3.4	4.0	2.9	2.4	3.0	2.3	2.2	2.4	2.5	2.1	3.6	2.8
	Southwark - - -	3.7	6.4	3.5	2.8	2.2	2.5	2.8	2.5	3.2	3.0	2.8	4.3	3.3
	Grand Junction - -	3.1	5.3	3.1	2.2	2.5	2.6	2.7	2.6	2.5	2.7	2.7	4.7	3.1
	Lambeth - - -	3.0	4.2	3.3	2.2	2.3	2.5	2.5	2.3	2.0	2.3	2.7	4.8	2.8
Outer Circle.	LEA.													
	New River - - -	1.8	2.0	2.0	1.0	1.0	1.6	1.1	1.1	0.9	1.1	1.0	0.9	1.3
	East London - - -	3.5	2.9	4.6	2.1	1.7	3.4	2.4	2.0	2.1	1.9	2.6	4.3	2.8
	DEEP WELLS.													
	Kent - - -	1.3	1.2	1.2	0.5	0.7	0.5	0.7	0.6	0.6	0.8	0.9	0.9	0.8
	Colne Valley - - -	1.2	1.6	1.5	1.2	0.6	0.7	0.6	0.9	0.9	1.0	1.3	0.9	1.0
	Tottenham Local Board - - -	1.8	1.5	2.2	1.5	1.2	1.3	1.2	1.4	1.3	0.9	1.2	1.4	1.4

TABLE F.

AMMONIA in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	West Middlesex - -	0	*001	0	0	0	0	0	0	0	0	0	0	*000
	Southwark - - -	0	*001	0	0	0	0	0	0	0	0	0	0	*000
	Grand Junction - -	0	*001	0	0	0	0	0	0	0	0	0	0	*000
	Lambeth - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Circle.	LEA.													
	New River - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	East London - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	DEEP WELLS.													
	Kent - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	Colne Valley - - -	*007	0	*012	*024	0	0	0	*002	0	0	0	0	*004
Outer Circle.	Tottenham Local Board - - -	*060	*060	*055	*055	*035	*060	*010	*045	*050	*040	*050	*060	*049

TABLE G.

NITROGEN as NITRATES and NITRITES in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	*230	*291	*208	*195	*156	*154	*115	*116	*131	*152	*166	*215	*177
	West Middlesex - -	*253	*257	*222	*203	*151	*147	*158	*098	*126	*158	*169	*210	*179
	Southwark - - -	*249	*262	*216	*203	*149	*138	*120	*104	*144	*160	*154	*254	*175
	Grand Junction - -	*239	*208	*226	*212	*156	*146	*138	*103	*138	*166	*193	*253	*182
	Lambeth - - -	*273	*255	*232	*233	*193	*168	*145	*090	*161	*181	*235	*257	*202
Inner Circle.	LEA.													
	New River - - -	*326	*309	*238	*253	*181	*194	*143	*143	*154	*144	*240	*312	*220
	East London - - -	*290	*278	*253	*182	*151	*121	*097	*062	*108	*160	*219	*262	*182
Outer Circle.	DEEP WELLS.													
	Kent - - -	*474	*454	*449	*309	*448	*458	*452	*409	*475	*479	*470	*551	*452
	Colne Valley - - -	*343	*418	*402	*295	*386	*377	*371	*407	*356	*366	*338	*383	*370
	Tottenham Local Board - - -	0	0	0	0	0	0	0	0	trace	*038	0	0	*003

TABLE H.

TOTAL combined NITROGEN in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	*256	*312	*240	*214	*176	*176	*173	*133	*155	*168	*186	*249	*203
	West Middlesex - -	*270	*282	*247	*224	*174	*172	*170	*114	*142	*181	*187	*247	*201
	Southwark - - -	*286	*274	*237	*228	*166	*154	*138	*125	*195	*198	*182	*279	*205
	Grand Junction - -	*278	*253	*240	*227	*173	*165	*163	*136	*158	*190	*215	*288	*207
	Lambeth - - -	*297	*291	*254	*248	*208	*187	*169	*112	*172	*196	*253	*294	*223
Inner Circle.	LEA.													
	New River - - -	*346	*335	*249	*263	*196	*205	*158	*156	*158	*152	*253	*324	*233
	East London - - -	*335	*303	*283	*198	*157	*176	*113	*078	*118	*172	*234	*287	*205
Outer Circle.	DEEP WELLS.													
	Kent - - -	*494	*475	*457	*312	*453	*465	*461	*416	*479	*488	*478	*563	*462
	Colne Valley - - -	*364	*434	*431	*329	*393	*384	*380	*420	*362	*373	*352	*396	*385
	Tottenham Local Board - - -	*074	*062	*062	*062	*040	*063	*019	*053	*046	*079	*056	*068	*057

TABLE I.

CHLORINE in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	1.5	1.6	1.6	1.5	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.8	1.6
	West Middlesex - -	1.5	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.8	1.6
	Southwark - - -	1.5	1.8	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.7	1.9	1.6
	Grand Junction - -	1.5	1.7	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.6	1.9	1.6
	Lambeth - - -	1.5	1.6	1.6	1.5	1.6	1.6	1.5	1.5	1.6	1.6	1.7	1.9	1.6
Inner Circle.	LEA.													
	New River - - -	1.6	1.6	1.7	1.5	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.7	1.6
	East London - - -	1.7	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.9	1.8
Outer Circle.	DEEP WELLS.													
	Kent - - -	2.6	2.4	2.5	2.0	2.5	2.7	2.4	2.4	2.4	2.4	2.6	2.6	2.5
	Colne Valley - - -	1.7	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.7	1.6
	Tottenham Local Board - - -	2.3	2.5	2.4	2.4	2.4	2.6	2.3	2.2	2.2	2.2	2.2	2.2	2.3

Water Supply of the Metropolis.

TABLE K.

DEGREES of HARDNESS (1 deg. = 1 part of carbonate of lime, or its equivalent,) in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1884.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	22·4	21·2	20·3	19·4	17·1	19·1	17·7	17·1	17·1	18·3	17·7	18·9	18·9
	West Middlesex - -	21·8	20·6	20·3	19·7	18·0	19·4	18·3	17·4	17·4	18·0	18·6	19·1	19·1
	Southwark - - -	22·4	19·1	20·6	19·7	18·0	19·4	18·9	18·3	17·4	18·0	19·1	19·4	19·2
	Grand Junction - -	22·1	20·3	20·6	20·0	18·6	20·0	18·9	17·7	17·4	18·9	19·1	19·4	19·4
	Lambeth - - -	22·7	21·8	22·1	21·5	19·7	21·2	19·1	17·7	18·9	19·7	19·7	19·4	20·3
Outer Circle.	LEA.													
	New River - - -	23·0	21·2	20·0	19·7	19·4	20·6	19·1	19·1	19·2	20·3	21·2	20·0	20·2
	East London - - -	24·5	23·9	22·4	20·0	18·6	18·9	17·7	17·7	17·7	19·1	19·7	19·1	19·9
	DEEP WELLS.													
	Kent - - -	28·5	27·8	28·5	25·7	29·3	28·5	28·5	29·3	27·9	31·5	29·3	28·6	28·6
	Colne Valley - - -	5·0	5·3	4·9	5·9	5·3	6·0	4·6	5·9	5·4	4·3	5·3	5·0	5·2
Tottenham Local Board - - -		20·0	20·9	20·3	18·6	21·8	20·3	16·8	20·3	19·1	20·0	19·1	19·4	19·7

TABLE L.

AVERAGES FOR 1884.

The numbers in this Table relate to 100,000 parts of each Water.

COMPANIES OR LOCAL AUTHORITIES.		Temperature in Centigrade Degrees.	Total Solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.	Proportional Amount of Organic Elements that have been present in the water during the 9 years ending Dec. 1876 being taken as 1.
Inner Circle.	THAMES.	°									
	Chelsea - - -	12·1	26·27	·142	·026	0	·177	·203	1·6	18·9	2·8
	West Middlesex - -	12·9	26·62	·143	·021	·000	·179	·201	1·6	19·1	2·8
	Southwark - - -	13·3	26·65	·166	·030	·000	·175	·205	1·6	19·2	3·3
	Grand Junction - -	12·1	26·82	·155	·026	·000	·182	·207	1·6	19·4	3·1
	Lambeth - - -	12·2	28·03	·146	·022	0	·202	·223	1·6	20·3	2·8
Outer Circle.	LEA.										
	New River - - -	12·3	27·63	·064	·013	0	·220	·233	1·6	20·2	1·3
	East London - - -	12·5	27·99	·142	·023	0	·182	·205	1·8	19·9	2·8
	DEEP WELLS.										
	Kent - - -	13·3	40·77	·039	·009	0	·452	·462	2·5	28·6	0·8
	Colne Valley - - -	—	12·89	·049	·012	·004	·370	·385	1·6	5·2	1·0
Tottenham Local Board - - -		—	36·56	·069	·014	·049	·003	·057	2·3	19·7	1·4

NOTE.—The numbers in these tables may be converted into grains per imperial gallon, by multiplying them by 7, and then moving the decimal point one place to the left.



FIRES IN LONDON DURING THE YEAR 1884.

Captain Eyre M. Shaw, Chief Officer of the Metropolitan Fire Brigade, reported to the Metropolitan Board of Works that the number of fires attended during 1884 was 2289, showing an increase of 145 upon the number in the preceding year, and being 531 above the average in the ten years 1874-83. The lives of 200 persons were seriously endangered, and 42 of these were lost. The numbers of lives lost by fires in London in the three preceding years were 40, 39, and 39 respectively.

The establishment of the Metropolitan Fire Brigade at the end of the year was distributed at 55 engine, 23 hose cart, 127 escape, and 4 floating stations. The number of fire engines at these stations was 171, showing an increase of 2 upon the number in the previous year; 3 were floating steam engines, 44 land steam engines, and 124 manual engines. The strength of the brigade was 589 of all ranks, including the chief officer and the superintendents, and exceeded by 1 the strength in the previous year. The cases of injury occurring in the brigade during the year were 142, against 98, 121, and 92 in the three previous years.

Number of Fires and of False Alarms attended during the Eleven Years 1874-84, and in each Month of 1884.

YEARS AND MONTHS.		TOTAL CALLS.	FALSE ALARMS AND CHIMNEYS.	FIRES.					
				Serious.	Slight.	Total.	Per-centages.		
							Serious.	Slight.	
1874 - - -		1750	177	154	1419	1573	9·8	90·2	
1875 - - -		1668	138	163	1366	1529	10·7	89·3	
1876 - - -		1787	155	166	1466	1632	10·2	89·8	
1877 - - -		1708	175	159	1374	1533	10·4	89·6	
1878 - - -		1881	222	170	1489	1659	10·2	89·8	
1879 - - -		1949	231	159	1559	1718	9·3	90·7	
1880 - - -		2194	323	162	1709	1871	8·7	91·3	
1881 - - -		2376	385	167	1824	1991	8·4	91·6	
1882 - - -		2341	415	164	1762	1926	8·5	91·5	
1883 - - -		2630	486	184	1960	2144	8·6	91·4	
1884 - - -		2806	517	194	2095	2289	8·5	91·5	
1884.	January - - -	230	51	17	162	179	9·5	90·5	
	February - - -	184	30	8	146	154	5·2	94·8	
	March - - -	246	34	15	197	212	7·1	92·9	
	April - - -	214	43	12	159	171	7·0	93·0	
	May - - -	240	50	21	169	190	11·1	88·9	
	June - - -	234	35	16	183	199	8·0	92·0	
	July - - -	216	52	19	145	164	11·6	88·4	
	August - - -	245	36	13	196	209	6·2	93·8	
	September - -	213	41	15	157	172	8·7	91·3	
	October - - -	255	47	15	193	208	7·2	92·8	
	November - -	252	56	20	176	196	10·2	89·8	
	December - -	277	42	23	212	235	9·8	90·2	

Times in London during the Year 1881.

Captain Wm M. Shaw, Chief Officer of the Metropolitan Fire Brigade, reported to the Metropolitan Board of Works that the number of fires attended during 1881 was 2289, showing an increase of 145 upon the number in the preceding year, and being 281 above the average in the ten years 1871-80. The lives of 200 persons were seriously endangered, and 47 of these were lost. The number of lives lost by fires in London in the three preceding years were 40, 32, and 30 respectively. The establishment of the Metropolitan Fire Brigade at the end of the year was distributed as 35 engines, 23 hose carts, 127 escape, and 4 floating stations. The number of fire engines at the stations was 171, showing an increase of 2 upon the number in the previous year; 3 were floating steam engines, 41 had steam engines, and 124 manual engines. The strength of the brigade was 680 of all ranks, including the chief officer and the superintendent, and exceeded by 1 the strength in the previous year. The cost of injury occurring in the brigade during the year was 142, against 98, 121, and 92 in the three previous years.

Number of Fires and of Lives Endangered during the Month Years 1871-81, and in each Month of 1881.

Month		Fires		Lives Endangered		Lives Lost	
1881	1880	1881	1880	1881	1880	1881	1880
January	187	170	170	17	17	17	17
February	171	171	171	17	17	17	17
March	171	171	171	17	17	17	17
April	171	171	171	17	17	17	17
May	171	171	171	17	17	17	17
June	171	171	171	17	17	17	17
July	171	171	171	17	17	17	17
August	171	171	171	17	17	17	17
September	171	171	171	17	17	17	17
October	171	171	171	17	17	17	17
November	171	171	171	17	17	17	17
December	171	171	171	17	17	17	17

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